

91343R01
VOL. V
2ND COPY



PROGRAM MANAGER RMA CONTAMINATION CLEANUP

U.S. ARMY
MATERIEL COMMAND

— COMMITTED TO PROTECTION OF THE ENVIRONMENT —

COMPREHENSIVE MONITORING PROGRAM

Contract Number DAAA15-87-0095

FINAL SURFACE WATER DATA ASSESSMENT REPORT FOR 1989

JUNE 1990

Version 2.0

Volume V

Acce
DTIC

R.L. STOLLAR & ASSOCIATES, INC.

Harding Lawson Associates
Ebasco Services Incorporated
DataChem, Inc.
Enseco-Cal Lab
Midwest Research Institute

REQUESTS FOR COPIES OF THIS DOCUMENT
SHOULD BE REFERRED TO THE PROGRAM MANAGER
FOR THE ROCKY MOUNTAIN ARSENAL CONTAMINATION CLEANUP,
AMXRM ABERDEEN PROVING GROUND, MARYLAND

DTIC QUALITY INSPECTED 3

19950613 161

COMPREHENSIVE MONITORING PROGRAM

Contract Number DAAA15-87-0095

**FINAL SURFACE WATER DATA ASSESSMENT
REPORT FOR 1989**

JUNE 1990

Version 2.0

Volume V

APPENDIX B

(Appendices B-1 to B-7)

Prepared by:

**R. L. STOLLAR & ASSOCIATES INC.
HARDING LAWSON ASSOCIATES
EBASCO SERVICES INC.
DATACHEM, INC.
ENVIRONMENTAL SCIENCE ENGINEERING, INC.
RIVERSIDE TECHNOLOGY, INC.**

Prepared for:

**U. S. ARMY PROGRAM MANAGER FOR
ROCKY MOUNTAIN ARSENAL**

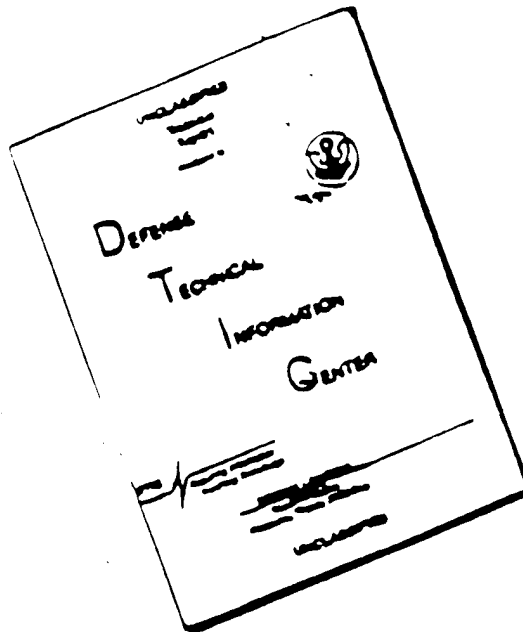
THE VIEWS, OPINIONS, AND/OR FINDINGS CONTAINED IN THIS REPORT ARE THOSE OF THE AUTHOR(S) AND SHOULD NOT BE CONSTRUED AS AN OFFICIAL DEPARTMENT OF THE ARMY POSITION, POLICY, OR DECISION, UNLESS SO DESIGNATED BY OTHER DOCUMENTATION.

THE USE OF TRADE NAMES IN THIS REPORT DOES NOT CONSTITUTE AN OFFICIAL ENDORSEMENT OR APPROVAL OF THE USE OF SUCH COMMERCIAL PRODUCTS. THE REPORT MAY NOT BE CITED FOR PURPOSES OF ADVERTISEMENT.

Accession For	
DTIC GRA&I	<input checked="checked" type="checkbox"/>
DTIC TAB	<input type="checkbox"/>
Unannounced	<input type="checkbox"/>
Justification	
By	
Distribution/	
Availability Codes	
Dist	Avail and/or Special
A-1	

REPORT DOCUMENTATION PAGE			Form Approved OMB No. 0704-0188	
Public reporting burden for this collection of information is estimated to average 1 hour per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. Send comments regarding this burden estimate or any other aspect of this collection of information, including suggestions for reducing this burden, to Washington Headquarters Services, Directorate for Information Operations and Reports, 1215 Jefferson Davis Highway, Suite 1204, Arlington, VA 22202-4302, and to the Office of Management and Budget, Paperwork Reduction Project (0704-0188), Washington, DC 20503.				
1. AGENCY USE ONLY (Leave blank)		2. REPORT DATE 06/00/90		3. REPORT TYPE AND DATES COVERED
4. TITLE AND SUBTITLE COMPREHENSIVE MONITORING PROGRAM, FINAL SURFACE WATER DATA ASSESSMENT REPORT FOR 1989, VERSION 2.0			5. FUNDING NUMBERS	
6. AUTHOR(S)			DAAA15 87 0095	
7. PERFORMING ORGANIZATION NAME(S) AND ADDRESS(ES) ROBERT L. STOLLAR AND ASSOCIATES DENVER, CO			8. PERFORMING ORGANIZATION REPORT NUMBER 91343R01	
9. SPONSORING/MONITORING AGENCY NAME(S) AND ADDRESS(ES) HARDING LAWSON ASSOCIATES DENVER, CO			10. SPONSORING/MONITORING AGENCY REPORT NUMBER	
11. SUPPLEMENTARY NOTES				
12a. DISTRIBUTION/AVAILABILITY STATEMENT APPROVED FOR PUBLIC RELEASE; DISTRIBUTION IS UNLIMITED			12b. DISTRIBUTION CODE	
13. ABSTRACT (Maximum 200 words) THE 1989 SURFACE WATER REPORT IS DIVIDED INTO SIX SECTIONS AND TWO APPENDICES. SECTION 1 PROVIDES A GENERAL HISTORICAL REVIEW OF THE DEVELOPMENT OF THE RMA. THE HISTORICAL ROLE OF SURFACE WATER FEATURES AT RMA, THE EFFECTS OF RMA INDUSTRIAL ACTIVITIES ON SURFACE SYSTEM MORPHOLOGY, AND THE MAJOR DRAINAGE BASINS THAT EXIST ON RMA ARE PRESENTED IN SECTION 2. SECTION 3 PROVIDE A DETAILED DISCUSSION OF THE PRESENT CMP PROGRAMS STRATEGIES AND METHODOLOGIES. SECTION 4 PRESENTS THE WATER QUALITY AND QUANTITY DATA COLLECTED DURING FISCAL YEAR 1989. SECTION 5 INTERPRETS THE COLLECTED SURFACE WATER DATA. SECTION 6 PROVIDES CONCLUSIONS AND A DETAILED SUMMARY OF FY89 RESULTS. APPENDIX A INCLUDES INFORMATION RELATED TO SURFACE WATER QUANTITY AND APPENDIX B INCLUDES INFORMATION RELATED TO SURFACE WATER QUALITY.				
14. SUBJECT TERMS CONTAMINANTS, SAMPLING, DRAINAGE BASINS			15. NUMBER OF PAGES	
			16. PRICE CODE	
17. SECURITY CLASSIFICATION OF REPORT UNCLASSIFIED	18. SECURITY CLASSIFICATION OF THIS PAGE	19. SECURITY CLASSIFICATION OF ABSTRACT	20. LIMITATION OF ABSTRACT	

DISCLAIMER NOTICE



THIS DOCUMENT IS BEST
QUALITY AVAILABLE. THE COPY
FURNISHED TO DTIC CONTAINED
A SIGNIFICANT NUMBER OF
PAGES WHICH DO NOT
REPRODUCE LEGIBLY.

TABLE OF CONTENTS

	PAGE
 <u>VOLUME I</u>	
EXECUTIVE SUMMARY	
1.0 INTRODUCTION	1
1.1 Site Background	1
1.2 Surface-Water Monitoring Program Objectives and Activities	2
1.2.1 FY88 Program Activities	2
1.2.2 FY89 Program Activities	4
1.3 RMA Surface-Water Investigations	5
1.3.1 Surface-Water Quantity Investigations	14
1.3.2 Surface-Water Quality Investigations	17
1.3.2.1 360° Monitoring Program	18
1.3.2.2 Sampling Activities During the Remedial Investigation	18
1.3.2.3 Remedial Investigation Documentation	18
1.3.2.4 Summary of Key Remedial Investigation Findings	20
1.3.2.4.1 Southern Study Area	20
1.3.2.4.2 South Plants Study Area	20
1.3.2.4.3 Eastern Study Area	20
1.3.2.4.4 Central Study Area	20
1.3.2.4.5 North Plants Study Area	21
1.3.2.4.6 North-Central Study Area	21
1.3.2.4.7 Western Study Area	21
1.3.2.5 Fiscal Year 1988 CMP Results	21
1.3.2.5.1 Surface-Water Target Organic Compounds	22
1.3.2.5.2 GC/MS Detections	22
1.3.2.5.3 Trace Inorganic Constituents	22
1.3.2.5.4 Field Water Quality	27
1.3.2.5.5 Major Inorganic Constituents	27
1.3.2.5.6 Sediment Study	27
1.3.2.6 Historical Data Base for Surface-Water Quality at RMA	27
1.3.2.6.1 Source	27
1.3.2.6.2 Intended Use	30
1.3.2.6.3 Analytical Procedures	30
1.3.2.6.4 Evaluation	34
1.3.3 Sediment Transport	43
1.3.4 Ground-Water and Surface-Water Relationships	43
2.0 ENVIRONMENTAL SETTING	45

TABLE OF CONTENTS (continued)

	PAGE
2.1 General Setting	45
2.2 Ground-Water Hydrology	46
2.3 Surface-Water Features	47
2.3.1 Drainage Basins	47
2.3.1.1 First Creek Drainage Basin	47
2.3.1.2 Second Creek Drainage	52
2.3.1.3 Sand Creek Drainage	53
2.3.1.4 South Platte Drainage Basin	54
2.3.1.5 Irondale Gulch Drainage Basin	54
2.3.2 Other Surface-Water Features	55
2.3.2.1 Diversion Channels and Ditches	55
2.3.2.2 Lakes and Ponds	58
2.3.2.2.1 Upper Derby Lake	59
2.3.2.2.2 Lower Derby Lake	59
2.3.2.2.3 Ladora Lake	60
2.3.2.2.4 Lake Mary	61
2.3.2.2.5 Rod and Gun Club Pond	61
2.3.2.3 Collection Basins	62
2.4 Sewer System	64
3.0 PROGRAM STRATEGY AND METHODOLOGY	66
3.1 Surface-Water Quantity	66
3.1.1 Surface-Water Monitoring Network	66
3.1.1.1 Irondale Gulch Drainage Basin	69
3.1.1.1.1 Havana Interceptor (SW11002).	69
3.1.1.1.2 Peoria Interceptor (SW11001).	72
3.1.1.1.3 Havana Pond (SW11003).	73
3.1.1.1.4 Ladora Weir (SW02001).	73
3.1.1.1.5 South Uvalda (SW12005).	73
3.1.1.1.6 North Uvalda (SW01001).	74
3.1.1.1.7 Highline Lateral (SW12007).	74
3.1.1.1.8 South Plants Ditch (SW01003).	75
3.1.1.1.9 Lake Monitoring Stations.	75
3.1.1.2 First Creek Drainage Basin.	76
3.1.1.2.1 South First Creek (SW08003).	76
3.1.1.2.2 North First Creek (SW24002).	77

TABLE OF CONTENTS (continued)

	PAGE
3.1.1.2.3 First Creek Off-Post (SW37001).	77
3.1.1.2.4 Sewage Treatment Plant (SW24001).	78
3.1.1.3 South Platte Drainage Basin.	78
3.1.1.3.1 Basin A (SW36001).	78
3.1.2 Surface-Water Quantity Data Acquisition	79
3.1.2.1 Strip Chart Procedures and Equipment	79
3.1.2.2 Datapod Procedures and Equipment	80
3.1.2.3 Data Logger Procedures and Equipment	80
3.1.2.4 Stream Stage Data Computation	81
3.1.2.5 Discharge Measurement Procedures and Computation of Discharge Data	82
3.1.2.6 Rating Curve Development Procedures	84
3.1.2.6.1 Conversion of Stream Stage to Discharge	86
3.1.2.6.2 Channel Reach Surveys	87
3.1.2.7 Related Surface-Water Data Acquisition	87
3.1.3 South Uvalde Stage Record Review Procedures	88
3.2 Surface-Water Quality	90
3.2.1 Surface-Water Quality Monitoring Network	91
3.2.2 Surface-Water Quality Monitoring Strategies	91
3.2.3 Surface-Water Quality Monitoring Field Methods	101
3.2.4 Laboratory Analytical Procedures for Water and Sediments	102
3.2.5 Laboratory Quality Control Data	102
3.2.5.1 Water Quality and Sediment Analytical Assurance and Quality Control	102
3.2.5.2 Suspended Sediment Analysis Quality Assurance and Quality Control	103
3.3 Sediment Transport	103
3.3.1 Scope of Investigation	103
3.3.1.1 Sediment Quantity	104
3.3.1.2 Sediment Quality	104
3.3.2 Sediment Strategy and Methods	104
3.4 Ground-Water and Surface-Water Interaction	105
3.4.1 Scope of Investigation	105

TABLE OF CONTENTS (continued)

	PAGE
3.4.1.1 First Creek	105
3.4.1.2 South Plants Lakes	105
3.4.1.3 Havana Pond	105
3.4.1.4 Uvalda Interceptor	106
3.4.2 Strategy and Methods	106
3.4.2.1 Comparison of Hydrographic Data	107
3.4.2.2 Comparison of Ion and Organic Data.	107
3.4.2.3 Gain-Loss Study	108

VOLUME II

4.0 PROGRAM RESULTS	109
4.1 Surface-Water Quantity Results	109
4.1.1 1989 Climatological Conditions	109
4.1.2 Stage-Discharge Relationships	111
4.1.2.1 Continuous Stage Data	112
4.1.2.1.1 Havana Interceptor	113
4.1.2.1.2 Peoria Interceptor	113
4.1.2.1.3 Ladora Weir	114
4.1.2.1.4 South Uvalda	114
4.1.2.1.5 North Uvalda	115
4.1.2.1.6 Highline Lateral	115
4.1.2.1.7 South Plants Ditch	115
4.1.2.1.8 South First Creek	116
4.1.2.1.9 North First Creek	116
4.1.2.1.10 First Creek Off-Post	116
4.1.2.1.11 Basin A	117
4.1.2.2 Stage Comparison of Analog and Digital Data	117
4.1.2.2.1 South Uvalda (SW12005)	117
4.1.2.2.2 South First Creek (SW08003)	118
4.1.2.2.3 North First Creek (SW24002)	118
4.1.2.3 Rating Curves and Equations	119
4.1.2.3.1 Havana Interceptor	120
4.1.2.3.2 Peoria Interceptor	120
4.1.2.3.3 Ladora Weir	122
4.1.2.3.4 South Uvalda	122
4.1.2.3.5 North Uvalda	122
4.1.2.3.6 Highline Lateral	123

TABLE OF CONTENTS (continued)

	PAGE
4.1.2.3.7 South Plants Ditch	123
4.1.2.3.8 South First Creek	123
4.1.2.3.9 North First Creek	123
4.1.2.3.10 First Creek Off-Post	123
4.1.2.3.11 Basin A	124
4.1.3 Surface-Water Hydrologic Conditions	124
4.1.3.1 Streamflow Characteristics and Extremes	126
4.1.3.1.1 Havana Interceptor	127
4.1.3.1.2 Peoria Interceptor	127
4.1.3.1.3 Ladora Weir	127
4.1.3.1.4 South Uvalda	127
4.1.3.1.5 North Uvalda	127
4.1.3.1.6 Highline Lateral	128
4.1.3.1.7 South Plants Ditch	128
4.1.3.1.8 South First Creek	128
4.1.3.1.9 North First Creek	128
4.1.3.1.10 First Creek Off-Post	128
4.1.3.1.11 Basin A	129
4.1.3.1.12 Streamflow Inflow/Outflow Comparison	129
4.1.3.2 Annual Streamflow Analysis	129
4.1.3.3 Mean Monthly, Maximum Daily and Minimum Daily Flows	131
4.1.3.3.1 Havana Interceptor	131
4.1.3.3.2 Peoria Interceptor	131
4.1.3.3.3 Ladora Weir	131
4.1.3.3.4 South Uvalda	136
4.1.3.3.5 North Uvalda	136
4.1.3.3.6 Highline Lateral	136
4.1.3.3.7 South Plants Ditch	136
4.1.3.3.8 South First Creek	136
4.1.3.3.9 North First Creek	136
4.1.3.3.10 First Creek Off-Post	137
4.1.3.3.11 Basin A	137
4.1.3.4 Streamflow Storm Runoff Hydrographs	137
4.1.3.5 South Plant Lakes and Havana Pond Trends and Extremes	138
4.1.3.5.1 Havana Pond	140
4.1.3.5.2 Upper Derby Lake	143
4.1.3.5.3 Lower Derby Lake	143
4.1.3.5.4 Ladora Lake	143
4.1.3.6 Sewage Treatment Plant Trends and Extremes	143

TABLE OF CONTENTS (continued)

	PAGE
4.1.3.7 South Uvalde Historical Stage Data Review Results.	145
4.2 Surface-Water Quality Results	162
4.2.1 Surface-Water Quality Program Overview	162
4.2.2 Occurrence of Target Organic Compounds	162
4.2.2.1 Volatile Organohalogens.	169
4.2.2.2 Volatile Aromatics.	170
4.2.2.3 Organosulfur Compounds.	170
4.2.2.4 Organochlorine Pesticides.	171
4.2.2.5 Hydrocarbons.	173
4.2.2.6 Organophosphorus Compounds.	173
4.2.2.7 Phosphonates.	174
4.2.2.8 Dibromochloropropane (DBCP).	175
4.2.2.9 Phenols.	175
4.2.3 Occurrence of Nontarget Organic Compounds	176
4.2.4 Occurrence of Trace Inorganic Constituents	178
4.2.4.1 Cadmium, Chromium and Copper.	178
4.2.4.2 Arsenic.	178
4.2.4.3 Zinc.	181
4.2.4.4 Mercury.	181
4.2.4.5 Lead.	182
4.2.4.6 Cyanide.	182
4.2.5 Field Parameter Measurements	182
4.2.5.1 pH.	182
4.2.5.2 Specific Conductance.	183
4.2.5.3 Total Alkalinity.	183
4.2.6 Occurrence of Major Inorganic Constituents	184
4.2.6.1 Calcium.	186
4.2.6.2 Chloride.	186
4.2.6.3 Fluoride.	187
4.2.6.4 Potassium.	187
4.2.6.5 Magnesium.	188
4.2.6.6 Sodium.	189
4.2.6.7 Nitrate-Nitrite.	189
4.2.6.8 Sulfate.	190
4.2.7 Total Water Chemistry Calculations for Major Inorganic Constituents	190
4.2.7.1 Carbonate System Species.	192
4.2.7.2 Nitrate.	193

TABLE OF CONTENTS (continued)

	PAGE
4.2.7.3 Total Dissolved Solids.	193
4.2.7.4 Ion Balance Calculations.	193
4.2.8 Comparison of Total and Dissolved Inorganic Analyses	194
4.2.8.1 Trace Metal Inorganic Analytes.	196
4.2.8.2 Major Inorganic Analytes.	196
4.3 Sediment Transport	197
4.3.1 Sediment Quantity	197
4.3.2 Sediment Quality	199
4.3.2.1 Organic Compounds	199
4.3.2.2 Inorganic Constituents	203
4.4 Surface-Water/Ground-Water Interaction	207
4.4.1 Surface-Water and Ground-Water Hydrographs	207
4.4.2 Surface-Water and Ground-Water Ion Data	209
4.4.3 Surface-Water and Ground-Water Organic Data	210
4.4.4 Gain-Loss	212
4.5 Quality Assurance/Quality Control Results of Water Quality Data	212
4.5.1 Organic and Inorganic Compounds Quality Assurance and Quality Control Results	213
4.5.1.1 Blank Results.	213
4.5.1.2 Duplicate Results.	219
4.5.1.3 Gas Chromatography/Mass Spectrometry (GC/MS Results).	219
5.0 DATA ASSESSMENT	225
5.1 Surface-Water Quantity Data Assessment	225
5.1.1 Stream Flow Data	225
5.1.1.1 Rates and Volumes of Flow.	225
5.1.1.2 Variability of Flow Rates.	227
5.1.2 Lake and Pond Stage Data	227
5.1.2.1 Upper Derby Lake.	227
5.1.2.2 Lower Derby Lake.	227
5.1.2.3 Ladora Lake.	232
5.1.2.4 Lake Mary.	232
5.1.2.5 Havana Pond.	232

TABLE OF CONTENTS (continued)

	PAGE
5.1.3 Evaporation and Precipitation Data	232
5.2 Surface-Water Quality Assessment	232
5.2.1 First Creek Drainage Basin	234
5.2.1.1 Organic Compounds in Surface Water.	235
5.2.1.2 Inorganic Constituents in Surface Water.	236
5.2.1.3 Organic Compounds in Stream-Bottom Sediments.	239
5.2.1.4 Trace Metals in Stream-Bottom Sediments.	240
5.2.2 Irondale Gulch Drainage Basin	240
5.2.2.1 Organic Compounds in Surface Water.	241
5.2.2.2 Inorganic Constituents in Surface Water.	243
5.2.2.3 Organic Compounds in Stream-Bottom Sediments.	244
5.2.2.4 Trace Metals in Stream-Bottom Sediments.	248
5.2.3 South Platte Drainage Basin	248
5.2.3.1 Organic Compounds in Surface Water.	250
5.2.3.2 Inorganic Constituents in Surface Water.	250
5.2.3.3 Organic Compounds in Stream-Bottom Sediments.	250
5.2.3.4 Trace Metals in Stream-Bottom Sediments.	250
5.2.4 Sand Creek Drainage Basin	251
5.2.4.1 Organic Compounds in Surface Water.	251
5.2.4.2 Inorganic Constituents in Surface Water.	251
5.3 Ground-Water/Surface-Water Interaction Assessment	251
5.3.1 First Creek Drainage Basin	251
5.3.2 South Plants Lakes Area	252
6.0 CONCLUSION	254
6.1 Surface-Water Quantity Conclusions	254
6.2 Surface-Water and Sediment Quality Conclusions	255
6.2.1 First Creek Drainage Basin	255
6.2.1.1 Organic Compounds in Surface Water.	255
6.2.1.2 Inorganic Constituents in Surface Water.	256
6.2.1.3 Organic Compounds in Stream-Bottom Sediments.	256
6.2.1.4 Trace Metals in Stream-Bottom Sediments.	257
6.2.1.5 Ground-Water/Surface-Water Interaction.	257

TABLE OF CONTENTS (continued)

	PAGE
6.2.2 Irondale Gulch Drainage Basin	258
6.2.2.1 Organic Compounds in Surface Water.	258
6.2.2.2 Inorganic Constituents in Surface Water.	259
6.2.2.3 Organic Compounds in Stream-Bottom Sediments.	260
6.2.2.4 Trace Metals in Stream-Bottom Sediments.	260
6.2.2.5 Ground-Water/Surface-Water Interactions.	260
6.2.3 South Platte Drainage Basin	261
6.2.3.1 Organic Compounds in Surface Water.	261
6.2.3.2 Inorganic Constituents in Surface Water.	262
6.2.3.3 Organic Compounds in Stream-Bottom Sediments.	262
6.2.3.4 Trace Metals in Stream-Bottom Sediments.	262
6.2.4 Sand Creek Drainage Basin	262
6.2.4.1 Organic Compounds in Surface Water.	262
6.2.4.2 Inorganic Constituents in Surface Water.	263
7.0 REFERENCES	264

VOLUME III

APPENDIX A SURFACE-WATER QUALITY DATA FOR WATER YEAR 1989

A-1	Surface Water Station Survey Information
A-1.1	Monitoring Station Survey Information
A-1.2	Station Survey Information
A-1.2.1	Cross Section Survey Plots
A-1.2.2	Monitoring Station Plan Views
A-1.2.3	Cross Section Survey Data
A-1.2.4	Channel Reach Survey Procedure
A-2	Instantaneous Discharge Measurements
A-2.1	Flume Specifications
A-2.2	Discharge Measurement Procedures
A-2.3	1989 Water Year Instantaneous Discharge Measurement Records
	WY89 Discharge Measurements Summary
	WY89 Discharge Measurement Field Records
A-3	Rating Curves
A-3.1	Rating Curve Development Procedures
A-3.2	Gage Height vs. Discharge

TABLE OF CONTENTS (continued)

PAGE

- A-3.3 Head vs. Discharge
- A-4 Rating Equations
- A-5 Comparison of Instantaneous Discharge Versus Computed Discharge
- A-6 Continuous Gage Height Recorders Equipment and Procedures
 - A-6.1 Stevens Type F Equipment Specifications and Procedures
 - A-6.2 Datapod Equipment Specifications and Procedures
 - A-6.3 Data Logger Equipment Specifications and Procedures

VOLUME IV

- A-7 Gage Height Data
 - A-7.1 Water Year 1989 Gage Height Data
 - A-7.2 South Uvalda Historical Gage Height Data
- A-8 Water Discharge Records
 - A-8.1 1989 Water Year Discharge Records
 - A-8.2 South Uvalda Historical Discharge Records
- A-9 Lake Volume Records
- A-10 Sewage Treatment Plant Records
- A-11 Climatic Conditions Records
 - A-11.1 Precipitation Graphs/Plots
 - A-11.2 Daily Temperature and Precipitation Data
- A-12 Well Water Levels

VOLUME V

APPENDIX B SURFACE-WATER QUALITY DATA FOR 1989 WATER YEAR

- B-1 Sample Location Survey Information
- B-2 Spring 1989 Water Quality Data
- B-3 High Event 1989 Water Quality Data
- B-4 Fall 1989 Water Quality Data
- B-5 Ion Balance Calculations
- B-6 Water Quality Field Data
- B-7 Laboratory Analytical Procedures
 - B-7.1 Procedure for Water Analysis
 - B-7.2 Procedures for Sediment Analysis
 - B-7.3 Procedure for Suspended Solids Analysis

LIST OF TABLES

Table 1.3-1	Chronology of RMA Surface-Water Monitoring
Table 1.3-2	Evolution of Surface-Water Monitoring Stations
Table 1.3-3	RMA Remedial Investigations and Study Area Reports
Table 1.3-4	Occurrence of Target Organic Compounds During CMP FY88 Sampling Activities
Table 1.3-5	Occurrence of Trace Inorganic Constituents During CMP FY88 Sampling Activities
Table 1.3-6	Summary of Major Constituent Occurrence During CMP FY88 Sampling Activities
Table 1.3-7	Occurrence of Organic Compounds and Trace Inorganic Constituents in Bed Load Sediments for FY88
Table 1.3-8	Correlation of Historical and CMP FY89 Surface-Water Sampling Locations
Table 1.3-9	Historical Organic Compound Detections at Current CMP Surface-Water Sites
Table 1.3-10	Historical Trace Inorganic Constituent Detections at Current CMP Surface-Water Sites
Table 2.3-1	Monitoring Stations Used During FY89
Table 2.3-2	Sample Locations Considered During FY89
Table 3.1-1	Surface-Water Monitoring Network
Table 3.1-2	Surface-Water Monitoring Station Activities
Table 3.2-1	Water Year 1989, Summary of Sampling Activities
Table 3.2-2	Data Chem and Hunter ESE/ Laboratories Analytical Methods for Water and Sediment Samples
Table 3.4-1	Wells Used to Delineate Ground-Water/Surface-Water Interaction
Table 4.1-1	Monthly Averages of Temperature, Precipitation and Evaporation Data, Water Year 1989
Table 4.1-2	Surface-Water Structures, Channel Control and Rating Curves
Table 4.1-3	Surface-Water Sources at Continuous-recording Stations
Table 4.1-4	Summary of RMA Inflow and Outflow Volumes
Table 4.1-5	Summary of Minimum and Maximum Discharges

LIST OF TABLES (continued)

Table 4.1-6	Comparison of High and Extended Precipitation Events and Mean Daily Discharges
Table 4.1-7	Stage/Elevation Survey Information
Table 4.1-8	Average Storage Precipitation and Evaporation Volumes for South Plants Lakes and Havana Pond, Water Year 1989
Table 4.1-9	Sewage Treatment Plant Monthly Flow Summaries, Water Year 1989
Table 4.1-10	Historical Strip Chart Reduction Preliminary Analysis
Table 4.1-11	Comparison of Instantaneous Peak Stages
Table 4.1-12	General Stage Comparison
Table 4.1-13	Comparison of the Monthly Instantaneous Minimum and Maximum Stages and Flows
Table 4.1-14	Comparison of the Minimum and Maximum Daily Mean Flows
Table 4.1-15	Comparison of Total Monthly Flows
Table 4.2-1	CMP Surface-Water List of Target Organic Compounds
Table 4.2-2	FY89 Occurrences of Target Organic Compounds in Surface-Water Samples
Table 4.2-3	Occurrence of Nontarget Organic Compounds
Table 4.2-4	Occurrence of Trace Inorganic Constituents
Table 4.2-5	Surface-Water Alkalinity Summary of Analytical and Field Results (Spring 1989)
Table 4.2-6	Calculations for Major Inorganic Constituents in Samples Collected During the Spring Sampling Event
Table 4.2-7	Summary of Dissolved Versus Total Recoverable Inorganic Constituent Analysis
Table 4.3-1	FY89 Total Suspended Solids Analytical Results
Table 4.3-2	FY89 Target Organic Compound Detections in Stream Bottom Sediment Samples
Table 4.3-3	FY89 Trace Inorganic Constituent Detections in Stream Bottom Sediment Samples
Table 4.4-1	Comparison of Surface-Water and Ground-Water Organic Compound Detections for Spring FY89

LIST OF TABLES (continued)

Table 4.5-1	Surface-Water Rejected Data
Table 4.5-2	Surface-Water Duplicate and Relative Percent Difference
Table 4.5-3	Confirmation Analysis Results
Table 5.1-1	Ratio of Daily Maximum Discharge to Mean Daily Discharge
Table 5.1-2	Ratio of Instantaneous Maximum Discharge to Mean Daily Discharge
Table 5.1-3	Evaporation, Precipitation, Lake Storage and Sewage Treatment Plant Discharge Data
Table 5.2-1	Baseline Surface-Water Quality Levels for Inorganic Constituents Entering RMA in the First Creek Drainage Basin at First Creek South Boundary (SW08001) during Base Flow Conditions
Table 5.2-2	Elevated Inorganic Constituent Concentrations for First Creek Drainage Basin Sites for FY89 CMP
Table 5.2-3	Baseline Surface-Water Quality Levels for Inorganic Constituents Entering RMA in the Irondale Gulch Drainage Basin During Base and Elevated Flow Conditions
Table 5.2-4	Elevated Inorganic Constituent Concentrations for Irondale Gulch Drainage Basin and South Platte Drainage Basin Sites for FY89 CMP
Table 5.2-5	Baseline Trace Metal Concentrations for Stream-Bottom Sediments in the Irondale Gulch Drainage Basin

LIST OF FIGURES

1.1-1	Rocky Mountain Arsenal Location Map
1.1-2	Rocky Mountain Features Map
1.3-1	Location of Study Areas
2.3-1	Detail of First Creek Drainage
2.3-2	Thalweg Slope and Cross Section of First Creek
2.3-3	Detail of South Boundary Storm Sewer Drainages
2.3-4	Location Map of Return Water Ditches
4.1-1	Precipitation and Evaporation, Water Year 1989
4.1-2	South Uvalda Stage Data Comparison
4.1-3	South First Creek Stage Data Comparison
4.1-4	North First Creek Stage Data Comparison
4.1-5	Havana Interceptor Monthly Total Discharge
4.1-6	Peoria Interceptor Monthly Total Discharge
4.1-7	Ladora Weir Monthly Total Discharge
4.1-8	South Uvalda Monthly Total Discharge
4.1-9	North Uvalda Monthly Total Discharge
4.1-10	Highline Lateral Monthly Total Discharge
4.1-11	South Plants Ditch Monthly Total Discharge
4.1-12	South First Creek Monthly Total Discharge
4.1-13	North First Creek Monthly Total Discharge
4.1-14	First Creek Off-Post Monthly Total Discharge
4.1-15	Basin A Monthly Total Discharge
4.1-16	Havana Interceptor Daily Mean Discharge Hydrograph
4.1-17	Peoria Interceptor Daily Mean Discharge Hydrograph
4.1-18	Ladora Weir Daily Mean Discharge Hydrograph
4.1-19	South Uvalda Daily Mean Discharge Hydrograph

LIST OF FIGURES (Continued)

- 4.1-20 North Uvalda Daily Mean Discharge Hydrograph
- 4.1-21 Highline Lateral Daily Mean Discharge Hydrograph
- 4.1-22 South Plants Ditch Daily Mean Discharge Hydrograph
- 4.1-23 South First Creek Daily Mean Discharge Hydrograph
- 4.1-24 North First Creek Daily Mean Discharge Hydrograph
- 4.1-25 First Creek Off-Post Daily Mean Discharge Hydrograph
- 4.1-26 Basin A Daily Mean Discharge Hydrograph
- 4.1-27 Comparison of RMA Inflow and Outflow Volumes
- 4.1-28 Havana Interceptor Mean Monthly Maximum Daily and Minimum Daily Discharge
- 4.1-29 Peoria Interceptor Mean Monthly, Maximum Daily and Minimum Daily Discharge
- 4.1-30 Ladora Weir Mean Monthly, Maximum Daily and Minimum Daily Discharge
- 4.1-31 South Uvalda Mean Monthly, Maximum Daily and Minimum Daily Discharge
- 4.1-32 North Uvalda Mean Monthly, Maximum Daily and Minimum Daily Discharge
- 4.1-33 Highline Lateral Mean Monthly, Maximum Daily and Minimum Daily Discharge
- 4.1-34 South Plants Ditch Mean Monthly, Maximum Daily and Minimum Daily Discharge
- 4.1-35 South First Creek Mean Monthly, Maximum Daily and Minimum Daily Discharge
- 4.1-36 North First Creek Mean Monthly, Maximum Daily and Minimum Daily Discharge
- 4.1-37 First Creek Off-Post Mean Monthly, Maximum Daily and Minimum Daily Discharge
- 4.1-38 Basin A Mean Monthly, Maximum Daily and Minimum Daily Discharge
- 4.1-39 Havana Pond Storage Volume
- 4.1-40 Upper Derby Lake Storage Volume
- 4.1-41 Lower Derby Lake Storage Volume
- 4.1-42 Ladora Lake Storage Volume
- 4.1-43 Sewage Treatment Plant Discharge
- 4.4-1 Havana Pond and Adjacent Wells Water Elevations
- 4.4-2 Upper Derby Lake and Adjacent Wells Water Elevations

LIST OF FIGURES (Continued)

- 4.4-3 Lower Derby Lake and Adjacent Wells Water Elevations
- 4.4-4 Ladora Lake and Adjacent Wells Water Elevations
- 4.4-5 Lake Mary and Adjacent Wells Water Elevations
- 4.4-6 Stiff Diagrams for First Creek Drainage
- 4.4-7 Stiff Diagrams for South Plants Lakes Area
- 5.2-1 Direct Relationship Between Discharge and Concentration
- 5.2-2 Inverse Relationship Between Discharge and Concentration

LIST OF PLATES

- 1.3-1 Surface-Water Quantity Monitoring Station Locations
- 1.3-2 Surface-Water Quality Sampling Locations
- 1.3-3 Occurrence of CMP Surface-Water FY88 Target Organic Compounds
- 1.3-4 Occurrence of CMP Surface-Water FY88 Trace Inorganic Constituents
- 1.3-5 Correlation of CMP and Historical Surface-Water Quality Sampling Locations
- 1.3-6 Frequency of Historical Organic Compound Detections
- 1.3-7 Frequency of Historical Trace Inorganic Constituent Detections
- 2.3-1 Diagram of RMA Surface-Water Features and Drainage Basins
- 3.4-1 Location Map of Surface-Water Sampling Sites and Monitoring Wells Used for Ground-Water/Surface-Water Interaction Study
- 4.2-1 1989 Occurrences of CMP Surface-Water Target Organic Compounds
- 4.2-2 1989 Occurrence of Trace Inorganic Constituents
- 4.3-1 1989 Organic and Trace Inorganic Compound Detections in Stream Bottom Sediments

TABLE OF CONTENTS

APPENDIX A SURFACE-WATER QUALITY DATA FOR WATER YEAR 1989

- A-1 Surface Water Station Survey Information
 - A-1.1 Monitoring Station Survey Information
 - A-1.2 Station Survey Information
 - A-1.2.1 Cross Section Survey Plots
 - A-1.2.2 Monitoring Station Plan Views
 - A-1.2.3 Cross Section Survey Data
 - A-1.2.4 Channel Reach Survey Procedure
- A-2 Instantaneous Discharge Measurements
 - A-2.1 Flume Specifications
 - A-2.2 Discharge Measurement Procedures
 - A-2.3 1989 Water Year Instantaneous Discharge Measurement Records
 - WY89 Discharge Measurements Summary
 - WY89 Discharge Measurement Field Records
- A-3 Rating Curves
 - A-3.1 Rating Curve Development Procedures
 - A-3.2 Gage Height vs. Discharge
 - A-3.3 Head vs. Discharge
- A-4 Rating Equations
- A-5 Comparison of Instantaneous Discharge Versus Computed Discharge
- A-6 Continuous Gage Height Recorders Equipment and Procedures
 - A-6.1 Stevens Type F Equipment Specifications and Procedures
 - A-6.2 Datapod Equipment Specifications and Procedures
 - A-6.3 Data Logger Equipment Specifications and Procedures
- A-7 Gage Height Data
 - A-7.1 Water Year 1989 Gage Height Data
 - A-7.2 South Uvalda Historical Gage Height Data
- A-8 Water Discharge Records
 - A-8.1 1989 Water Year Discharge Records
 - A-8.2 South Uvalda Historical Discharge Records
- A-9 Lake Volume Records
- A-10 Sewage Treatment Plant Records
- A-11 Climatic Conditions Records
 - A-11.1 Precipitation Graphs/Plots
 - A-11.2 Daily Temperature and Precipitation Data
- A-12 Well Water Levels

TABLE OF CONTENTS

APPENDIX B SURFACE-WATER QUALITY DATA FOR 1989 WATER YEAR

- B-1 Sample Location Survey Information
- B-2 Spring 1989 Water Quality Data
- B-3 High Event 1989 Water Quality Data
- B-4 Fall 1989 Water Quality Data
- B-5 Ion Balance Calculations
- B-6 Water Quality Field Data
- B-7 Laboratory Analytical Procedures
 - B-7.1 Procedure for Water Analysis
 - B-7.2 Procedures for Sediment Analysis
 - B-7.3 Procedure for Suspended Solids Analysis

APPENDIX B

Surface-Water Quality Data for 1989 Water Year

APPENDIX B-1

Sample Location Survey Information

Appendix B-1 Table B-1-1 Sample Location Survey Information

Sample Location	Northing	Easting	Staked Elevation (ft-msl)
SW01001	175,588.02	2,187,896.41	5,260.51
SW01002	179,009.85	2,185,296.48	5,267.75
SW01003	177,784.84	2,185,793.81	5,255.40
SW01004	176,932.23	2,187,034.25	5,256.51
SW01005	176,395.24	2,183,915.96	5,246.73
SW02001	176,311.48	2,183,915.96	5,235.49
SW02002	175,721.40	2,182,686.29	5,234.51
SW02003	177,726.61	2,179,691.86	5,223.23
SW02004	177,378.84	2,178,434.27	5,206.35
SW02005	177,998.25	2,181,339.77	5,231.15
SW02006	179,121.05	2,182,840.84	5,257.90
SW04001	177,928.55	2,172,516.56	5,195.20
SW05001	175,590.08	2,197,131.85	5,282.37
SW07001	170,230.73	2,191,183.13	5,295.71
SW07002	170,191.43	2,189,198.96	5,291.33
SW08001	172,876.88	2,199,286.91	5,298.91
SW08002	170,284.98	2,194,415.70	5,315.13
SW08003	173,686.65	2,198,520.22	5,293.84
SW08004	174,711.01	2,197,612.81	5,288.40
SW11001	170,287.71	2,179,583.49	5,248.08
SW11002	170,992.86	2,178,854.75	5,262.22
SW11003	172,696.42	2,180,121.78	5,254.28
SW12001	170,205.42	2,186,942.80	5,278.46
SW12002	170,156.02	2,186,818.97	5,278.77
SW12003	175,315.77	2,186,625.33	5,254.18
SW12004	170,129.44	2,184,947.15	5,276.22
SW12005	170,445.36	2,186,746.06	5,274.14
SW12006	170,132.67	2,184,180.89	5,276.30
SW12007	175,292.77	2,188,725.83	5,275.15
SW12008	172,231.54	2,186,700.69	5,275.20
SW12009	175,209.16	2,188,544.87	5,268.60
SW24001	195,373.14	2,187,281.35	5,144.90
SW24002	196,426.80	2,186,327.81	5,137.80
SW24003	196,357.55	2,184,791.45	5,137.24
SW30001	188,547.58	2,188,840.20	5,191.10
SW30002	188,563.22	2,189,296.25	5,184.43
SW31001	184,589.82	2,190,050.52	5,215.74
SW31002	182,789.48	2,192,251.80	5,235.46
SW36001	180,985.85	2,184,525.97	5,253.65
SW37001	199,013.30	2,180,816.71	5,106.76

APPENDIX B-2

Spring 1989 Water Quality Data

Summary of Analytical Results

Surface Water Samples for Spring 89

Sampling Date	Station Number	Sample Depth (cm)	Sample Type	Method	Analytical Parameters	Results	Units	Sample Number
89117	SW01001	0.1	STRM	UM21	1,1,1-Trichloroethane	LT 1.00 0	ug/l	GEZ005
				N8	1,1,1-Trichloroethane	LT 7.60 -1	ug/l	GHE007
				UM21	1,1,2-Trichloroethane	LT 1.00 0	ug/l	GEZ005
				N8	1,1,2-Trichloroethane	LT 7.80 -1	ug/l	GHE007
				UM21	1,1-Dichloroethene	LT 1.00 0	ug/l	GEZ005
				N8	1,1-Dichloroethene	LT 1.70 0	ug/l	GHE007
				UM21	1,1-Dichloroethane	LT 1.00 0	ug/l	GEZ005
				N8	1,1-Dichloroethane	LT 7.30 -1	ug/l	GHE007
				UM21	1,2-Dichloroethene	LT 5.00 0	ug/l	GEZ005
				N8	1,2-Dichloroethene	LT 7.60 -1	ug/l	GHE007
				UM21	1,2-Dichloroethane	LT 1.00 0	ug/l	GEZ005
				N8	1,2-Dichloroethane	LT 1.10 0	ug/l	GHE007
				UM21	1,2-Dichloropropane	LT 1.00 0	ug/l	GEZ005
				UM21	1,3-Dichlorobenzene	LT 1.00 0	ug/l	GEZ005
				UM21	1,3-Dichloropropane	LT 4.90 0	ug/l	GEZ005
				UM21	m-Xylene	LT 1.00 0	ug/l	GEZ005
				AV8	m-Xylene	LT 1.32 0	ug/l	GHD007
				UM21	2-Chloroethylvinyl Ether	LT 3.50 0	ug/l	GEZ005
				UM21	Acrylonitrile	LT 8.40 0	ug/l	GEZ005
				KK8	Aldrin	LT 5.00 -2	ug/l	GFG018
				UM25	Aldrin	LT 1.30 1	ug/l	GFV004
				00	ALKALINITY	1.76 2	ug/l	GED015
				AX8	Arsenic (filtered)	LT 2.35 0	ug/l	GFX017
				AX8	Arsenic	LT 2.35 0	ug/l	GFX018
				UH11	Atrazine	LT 4.03 0	ug/l	GFK014
				UM25	Atrazine	LT 5.90 0	ug/l	GFV004
				P8	Bicycloheptadiene	LT 5.90 0	ug/l	GFD014
				UM21	Bromodichloromethane	LT 1.00 0	ug/l	GEZ005
				AAA8	Benzothiazole	LT 5.00 0	ug/l	GPH015
				UM21	Vinyl Chloride	LT 1.20 1	ug/l	GEZ005
				UM21	Chloroethane	LT 6.00 0	ug/l	GEZ005
				UM21	Benzene	LT 1.00 0	ug/l	GEZ005
				AV8	Benzene	LT 1.05 0	ug/l	GHD007
				GG8	Calcium (filtered)	4.54 4	ug/l	GHH009

Note: Results for some parameters may appear in more than one analytical fraction.

Summary of Analytical Results

Surface Water Samples for Spring 89

Sampling Date	Station Number	Sample Depth (cm)	Sample Type	Method	Analytical Parameters	Results	Units	Sample Number		
05/11/7	SW01001	0.1	STRM	GG8	Calcium	4.95	4	ug/l	GHH017	
				UM21	Trichlorofluoromethane	LT	1.00	0	ug/l	GEZ005
				UM21	Carbon tetrachloride	LT	1.00	0	ug/l	GEZ005
				N8	Carbon Tetrachloride	LT	9.90	-1	ug/l	GHE007
				GG8	Cadmium (filtered)	LT	8.40	0	ug/l	GHH009
				GG8	Cadmium	LT	8.40	0	ug/l	GHH017
				UM21	Methylene Chloride	LT	1.00	0	ug/l	GEZ005
				N8	Methylene Chloride	LT	7.40	0	ug/l	GHE007
				UM21	Bromomethane	LT	1.40	1	ug/l	GEZ005
				UM21	Chloromethane	LT	1.20	0	ug/l	GEZ005
				UM21	Bromoform	LT	1.10	1	ug/l	GEZ005
				UM21	Chloroform	LT	1.00	0	ug/l	GEZ005
				N8	Chloroform	LT	5.00	-1	ug/l	GHE007
				HH8A	Chloride		3.30	4	ug/l	GFL010
				KK8	Hexachlorocyclopentadiene	LT	4.80	-2	ug/l	GFG018
				UM25	Hexachlorocyclopentadiene	LT	5.40	1	ug/l	GFV004
				UM21	Chlorobenzene	LT	1.00	0	ug/l	GEZ005
				N8	Chlorobenzene	LT	8.20	-1	ug/l	GHE007
				KK8	Chlordane	LT	9.50	-2	ug/l	GFG018
				UM25	Chlordane	LT	3.70	1	ug/l	GFV004
				AAAB	p-Chlorophenylmethyl Sulfide	LT	5.69	0	ug/l	GFH015
				UM25	p-Chlorophenylmethyl Sulfide	LT	1.00	1	ug/l	GFV004
				AAAB	p-Chlorophenylmethyl Sulfoxide	LT	1.15	1	ug/l	GFH015
				UM25	p-Chlorophenylmethyl Sulfoxide	LT	1.50	1	ug/l	GFV004
				AAAB	p-Chlorophenylmethyl Sulfone	LT	7.46	0	ug/l	GFH015
				UM25	p-Chlorophenylmethyl Sulfone	LT	5.30	0	ug/l	GFV004
				GG8	Chromium (filtered)	LT	2.40	1	ug/l	GHH009
				GG8	Chromium	LT	2.40	1	ug/l	GHH017
				GG8	Copper (filtered)	LT	2.60	1	ug/l	GHH009
				GG8	Copper	LT	2.60	1	ug/l	GHH017
				TF20	Cyanide	LT	5.00	0	ug/l	GEN015
				AY8	Dibromochloropropane	LT	1.95	-1	ug/l	GFN015
				UM25	Dibromochloropropane	LT	1.20	1	ug/l	GFV004
				UM21	Dibromochloromethane	LT	1.00	0	ug/l	GEZ005

Note: Results for some parameters may appear in more than one analytical fraction.

Summary of Analytical Results

Surface Water Samples for Spring 89

Sampling Date	Station Number	Sample Depth (cm)	Sample Type	Method	Analytical Parameters	Results	Units	Sample Number
89117	SW01001	0.1	STRM	UM21	1,4-Dichlorobenzene	LT 2.00 0	ug/l	GEZ005
				PS	Dicyclopentadiene	LT 5.00 0	ug/l	GFD014
				UM25	Dicyclopentadiene	LT 5.50 0	ug/l	GFV004
				UH11	Vapona	LT 3.84 -1	ug/l	GPK014
				UM25	Vapona	LT 8.50 0	ug/l	GFV004
				AT8	Diisopropylmethyl Phosphonate	LT 3.92 -1	ug/l	GFP015
				UM25	Diisopropylmethyl Phosphonate	LT 2.10 1	ug/l	GFV004
				AAAS	Dithiane	LT 1.34 0	ug/l	GPH015
				UM25	Dithiane	LT 3.30 0	ug/l	GFV004
				KK8	Dieldrin	LT 5.00 -2	ug/l	GFG018
				UM25	Dieldrin	LT 2.60 1	ug/l	GFV004
				AAAS	Dimethyldisulfide	LT 5.50 -1	ug/l	GPH015
				UM21	Acetone	LT 8.00 0	ug/l	GEZ005
				AT8	Dimethylmethyl Phosphate	1.03 0	ug/l	GFP015
				UM25	Dimethylmethyl Phosphate	LT 1.30 2	ug/l	GFV004
				KK8	Endrin	LT 5.00 -2	ug/l	GFG018
				UM25	Endrin	LT 1.80 1	ug/l	GFV004
				UM21	Ethylbenzene	LT 1.00 0	ug/l	GEZ005
				AV8	Ethylbenzene	LT 1.37 0	ug/l	GHD007
				HH8A	Fluoride	1.15 3	ug/l	GFL010
				CC8	Mercury (filtered)	LT 1.00 -1	ug/l	GGW019
				CC8	Mercury	LT 1.00 -1	ug/l	GGW020
				KK8	Isodrin	LT 5.10 -2	ug/l	GFG018
				UM25	Isodrin	LT 7.80 0	ug/l	GFV004
				GG8	Potassium (filtered)	4.44 3	ug/l	GHH009
				GG8	Potassium	4.87 3	ug/l	GHH017
				UM21	Toluene	LT 1.00 0	ug/l	GEZ005
				AV8	Toluene	LT 1.47 0	ug/l	GHD007
				UM21	Methylethyl Ketone	LT 1.00 1	ug/l	GEZ005
				GG8	Magnesium (filtered)	1.48 4	ug/l	GHH009
				GG8	Magnesium	1.57 4	ug/l	GHH017
				UM21	Methylisobutyl Ketone	LT 1.40 0	ug/l	GEZ005
				PS	Methylisobutyl Ketone	LT 4.90 0	ug/l	GFD014
				UH11	Malathion	LT 3.73 -1	ug/l	GPK014

Note: Results for some parameters may appear in more than one analytical fraction.

Summary of Analytical Results

Surface Water Samples for Spring 89

Sampling Date	Station Number	Sample Depth (cm)	Sample Type	Method	Analytical Parameters	Results	Units	Sample Number
89117	SW01001	0.1	STRM	UM25	Malathion	LT 2.10	1 ug/l	GFV004
				GG8	Sodium (filtered)	6.00	4 ug/l	GHH009
				GG8	Sodium	5.94	4 ug/l	GHH017
				LL6	Nitrite, Nitrate - Non specific	7.00	2 ug/l	GCL031
				AAA6	1,4-Oxathiane	LT 2.38	0 ug/l	GPH015
				UM25	1,4-Oxathiane	LT 2.70	1 ug/l	GFV004
				GG8	Lead (filtered)	LT 7.40	1 ug/l	GHH009
				GG8	Lead	LT 7.40	1 ug/l	GHH017
				KK6	Dichlorodiphenylethane	LT 5.40	-2 ug/l	GF0015
				UM25	Dichlorodiphenylethane	LT 1.40	1 ug/l	GFV004
				KK6	Dichlorodiphenyltrichloroethane	LT 4.90	-2 ug/l	GF0015
				UM25	Dichlorodiphenyltrichloroethane	LT 1.80	1 ug/l	GFV004
				UH11	Parathion	LT 6.47	-1 ug/l	GF0014
				UM25	Parathion	LT 3.70	1 ug/l	GFV004
				HH6A	Sulfate	6.50	4 ug/l	GFL010
				UH11	2-Chloro-1(2,4-Dichlorophenyl) Vinyl diethyl Phosphates	LT 7.67	-1 ug/l	GF0014
				UM25	2-Chloro-1(2,4-Dichlorophenyl) Vinyl diethyl Phosphates	LT 1.90	1 ug/l	GFV004
				UM21	1,1,2,2-Tetrachloroethane	LT 1.50	0 ug/l	GEZ005
				UM21	Tetrachloroethene	LT 1.00	0 ug/l	GEZ005
				N6	Tetrachloroethene	LT 7.50	-1 ug/l	GHE007
				UM21	Trichloroethene	LT 1.00	0 ug/l	GEZ005
				N6	Trichloroethene	LT 5.60	-1 ug/l	GHE007
				UM21	Ortho- & Para-Xylene	LT 2.00	0 ug/l	GEZ005
				AV6	Ortho- & Para-Xylene	LT 1.36	0 ug/l	GHD007
				GG8	Zinc (filtered)	LT 2.20	1 ug/l	GHH009
				GG8	Zinc	2.38	1 ug/l	GHH017
89117	SW01001B	0.1	STRM	NN9	1,1,1-Trichloroethane	LT 8.80	-2 ug/l	GF0009
				NN9	1,1,2-Trichloroethane	LT 2.60	-1 ug/l	GF0009
				NN9	1,1-Dichloroethene	LT 2.40	-1 ug/l	GF0009
				NN9	1,1-Dichloroethane	LT 7.40	-2 ug/l	GF0009

Note: Results for some parameters may appear in more than one analytical fraction.

Summary of Analytical Results

Surface Water Samples for Spring 89

Sampling Date	Station Number	Sample Depth (cm)	Sample Type	Method	Analytical Parameters	Results	Units	Sample Number
89117	SW01001B	0.1	STRM	NN9	1,2-Dichloroethene	LT 2.60 -1	ug/l	GFS009
				NN9	1,2-Dichloroethane	LT 8.50 -2	ug/l	GFS009
				AA9	m-Xylene	LT 2.60 -1	ug/l	GFT009
				B9	Arsenic	LT 2.50 0	ug/l	GDM025
				LH15	Atrazine	1.00 0	ug/l	GFR009
				ZZ9	Bicycloheptadiene	LT 5.08 0	ug/l	IKY014
				HH9	Benzothiazole	LT 2.04 0	ug/l	GFA011
				AA9	Benzene	LT 8.50 -2	ug/l	GFT009
				NN9	Carbon Tetrachloride	LT 1.20 -1	ug/l	GFS009
				P9	Cadmium	LT 7.40 -1	ug/l	GDK026
				NN9	Methylene Chloride	LT 3.70 0	ug/l	GFS009
				NN9	Chloroform	LT 6.80 -2	ug/l	GFS009
				NN9	Chlorobenzene	LT 2.00 -1	ug/l	GFS009
				HH9	p-Chlorophenylmethyl Sulfide	LT 4.40 0	ug/l	GFA011
				HH9	p-Chlorophenylmethyl Sulfoxide	LT 4.81 0	ug/l	GFA011
				HH9	p-Chlorophenylmethyl Sulfone	LT 9.01 0	ug/l	GFA011
				P9	Chromium	LT 6.50 0	ug/l	GDK026
				P9	Copper	LT 4.70 0	ug/l	GDK026
				S9	Dibromochloropropane	LT 5.00 -3	ug/l	GFB011
				ZZ9	Dicyclopentadiene	LT 5.12 0	ug/l	IKY014
				LH15	Vapona	LT 8.00 -2	ug/l	GFR009
				TT9	Diisopropylmethyl Phosphonate	LT 1.14 -1	ug/l	KSU016
				HH9	Dithiane	LT 1.45 0	ug/l	GFA011
				HH9	Dimethyldisulfide	LT 3.12 0	ug/l	GFA011
				TT9	Dimethylmethyl Phosphate	LT 1.33 -1	ug/l	KSU016
				AA9	Ethylbenzene	LT 1.60 -1	ug/l	GFT009
				AAA9	Fluoroacetic Acid	LT 2.00 0	ug/l	KRS016
				Y9	Mercury	LT 5.00 -2	ug/l	GDL025
				AAA9	Isopropylmethyl Phosphonic Acid	LT 2.11 0	ug/l	KRS016
				AA9	Toluene	LT 1.90 -1	ug/l	GFT009
				ZZ9	Methylisobutyl Ketone	LT 5.24 0	ug/l	IKY014
				LH15	Malathion	LT 1.26 -1	ug/l	GFR009
				HH9	1,4-Oxathiane	LT 1.74 0	ug/l	GFA011

Note: Results for some parameters may appear in more than one analytical fraction.

Summary of Analytical Results

Surface Water Samples for Spring 89

Sampling Date	Station Number	Sample Depth (cm)	Sample Type	Method	Analytical Parameters	Results	Units	Sample Number
89117	SW01001B	0.1	STRM	P9	Lead	LT 8.40 0	ug/l	GDK026
				LH15	Parathion	LT 1.59 -1	ug/l	GFR009
				LH15	2-Chloro-1(2,4-Dichlorophenyl) vinyl-diethyl Phosphates	LT 1.48 -1	ug/l	GFR009
				NN9	Tetrachloroethene	LT 2.70 -1	ug/l	GFS009
				NN9	Trichloroethene	LT 1.40 -1	ug/l	GFS009
				AA9	Ortho- & Para-Xylene	LT 3.90 -1	ug/l	GFT009
				P9	Zinc	2.74 1	ug/l	GDK026
89117	SW01001B	0	QCTB	UM21	1,1,1-Trichloroethane	LT 1.00 0	ug/l	GEZ006
				NS	1,1,1-Trichloroethane	LT 7.60 -1	ug/l	GHE008
				UM21	1,1,2-Trichloroethane	LT 1.00 0	ug/l	GEZ006
				NS	1,1,2-Trichloroethane	LT 7.80 -1	ug/l	GHE008
				UM21	1,1-Dichloroethene	LT 1.00 0	ug/l	GEZ006
				NS	1,1-Dichloroethene	LT 1.70 0	ug/l	GHE008
				UM21	1,1-Dichloroethane	LT 1.00 0	ug/l	GEZ006
				NS	1,1-Dichloroethane	LT 7.30 -1	ug/l	GHE008
				UM21	1,2-Dichloroethene	LT 5.00 0	ug/l	GEZ006
				NS	1,2-Dichloroethene	LT 7.60 -1	ug/l	GHE008
				UM21	1,2-Dichloroethane	LT 1.00 0	ug/l	GEZ006
				NS	1,2-Dichloroethane	LT 1.10 0	ug/l	GHE008
				UM21	1,2-Dichloropropane	LT 1.00 0	ug/l	GEZ006
				UM21	1,3-Dichlorobenzene	LT 1.00 0	ug/l	GEZ006
				UM21	1,3-Dichloropropane	LT 4.80 0	ug/l	GEZ006
				UM21	m-Xylene	LT 1.00 0	ug/l	GEZ006
				AVS	m-Xylene	LT 1.32 0	ug/l	GHD008
				UM21	2-Chloroethylvinyl Ether	LT 3.50 0	ug/l	GEZ006
				UM21	Acrylonitrile	LT 8.40 0	ug/l	GEZ006
				KK8	Aldrin	LT 5.00 -2	ug/l	GFG019
				UM25	Aldrin	LT 1.30 1	ug/l	GFV005
				00	ALKALINITY	LT 8.78 1	ug/l	GE0016
				AXS	Arsenic (filtered)	LT 2.35 0	ug/l	GFX019
				UH11	Atrazine	LT 4.03 0	ug/l	GFK015
				UM25	Atrazine	LT 5.90 0	ug/l	GFV005

Note: Results for some parameters may appear in more than one analytical fraction.

Summary of Analytical Results

Surface Water Samples for Spring 89

Sampling Date	Station Number	Sample Depth (cm)	Sample Type	Method	Analytical Parameters	Results	Units	Sample Number
89117	SW01001TB	0	QCTB	P8	Bicycloheptadiene	LT 5.90	0 ug/l	GFD015
				UM21	Bromodichloromethane	LT 1.00	0 ug/l	GEZ006
				AAAS	Benzothiazole	LT 5.00	0 ug/l	GFH016
				UM21	Vinyl Chloride	LT 1.20	1 ug/l	GEZ006
				UM21	Chloroethane	LT 8.00	0 ug/l	GEZ006
				UM21	Benzene	LT 1.00	0 ug/l	GEZ006
				AV8	Benzene	LT 1.05	0 ug/l	GHD008
				GG8	Calcium (filtered)	LT 5.00	2 ug/l	GHH018
				UM21	Trichlorofluoromethane	LT 1.00	0 ug/l	GEZ006
				UM21	Carbon Tetrachloride	LT 1.00	0 ug/l	GEZ006
				N8	Carbon Tetrachloride	LT 9.90	-1 ug/l	GHE008
				GG8	Cadmium (filtered)	LT 8.40	0 ug/l	GHH018
				UM21	Methylene Chloride	LT 1.00	0 ug/l	GEZ006
				N8	Methylene Chloride	LT 7.40	0 ug/l	GHE008
				UM21	Bromomethane	LT 1.40	1 ug/l	GEZ006
				UM21	Chloromethane	LT 1.20	0 ug/l	GEZ006
				UM21	Bromoform	LT 1.10	1 ug/l	GEZ006
				UM21	Chloroform	LT 1.00	0 ug/l	GEZ006
				N8	Chloroform	LT 5.00	-1 ug/l	GHE008
				HH8A	Chloride	LT 7.20	2 ug/l	GFL011
				KK8	Hexachlorocyclopentadiene	LT 4.80	-2 ug/l	GFG019
				UM25	Hexachlorocyclopentadiene	LT 5.40	1 ug/l	GFV005
				UM21	Chlorobenzene	LT 1.00	0 ug/l	GEZ006
				N8	Chlorobenzene	LT 8.20	-1 ug/l	GHE008
				KK8	Chlordane	LT 9.50	-2 ug/l	GFG019
				UM25	Chlordane	LT 3.70	1 ug/l	GFV005
				AAAS	p-Chlorophenylmethyl Sulfide	LT 5.69	0 ug/l	GFH016
				UM25	p-Chlorophenylmethyl Sulfide	LT 1.00	1 ug/l	GFV005
				AAAS	p-Chlorophenylmethyl Sulfoxide	LT 1.15	1 ug/l	GFH016
				UM25	p-Chlorophenylmethyl Sulfoxide	LT 1.50	1 ug/l	GFV005
				AAAS	p-Chlorophenylmethyl Sulfone	LT 7.46	0 ug/l	GFH016
				UM25	p-Chlorophenylmethyl Sulfone	LT 5.30	0 ug/l	GFV005
				GG8	Chromium (filtered)	LT 2.40	1 ug/l	GHH018
				GG8	Copper (filtered)	LT 2.60	1 ug/l	GHH018

Note: Results for some parameters may appear in more than one analytical fraction.

Summary of Analytical Results

Surface Water Samples for Spring 89

Sampling Date	Station Number	Sample Depth (cm)	Sample Type	Method	Analytical Parameters	Results	Units	Sample Number
89117	SW01001TB	0	QCTB	TF20	Cyanide	LT 5.00 0	ug/l	GEN016
				AY8	Dibromochloropropane	LT 1.95 -1	ug/l	GFN016
				UM25	Dibromochloropropane	LT 1.20 1	ug/l	GFV005
				UM21	Dibromochloromethane	LT 1.00 0	ug/l	GEZ006
				UM21	1,4-Dichlorobenzene	LT 2.00 0	ug/l	GEZ006
				P8	Dicyclopentadiene	LT 5.00 0	ug/l	GFD015
				UM25	Dicyclopentadiene	LT 5.50 0	ug/l	GFV005
				UH11	Vapona	LT 3.64 -1	ug/l	GFK015
				UM25	Vapona	LT 8.50 0	ug/l	GFV005
				AT8	Diisopropylmethyl Phosphonate	LT 3.92 -1	ug/l	GFP016
				UM25	Diisopropylmethyl Phosphonate	LT 2.10 1	ug/l	GFV005
				AAA8	Dithiane	LT 1.34 0	ug/l	GFH016
				UM25	Dithiane	LT 3.30 0	ug/l	GFV005
				KK8	Dieldrin	LT 5.00 -2	ug/l	GFG019
				UM25	Dieldrin	LT 2.60 1	ug/l	GFV005
				AAA8	Dimethyldisulfide	LT 5.50 -1	ug/l	GFH016
				UM21	Acetone	LT 8.00 0	ug/l	GEZ006
				AT8	Dimethylmethyl Phosphate	7.76 -1	ug/l	GFP016
				UM25	Dimethylmethyl Phosphate	LT 1.30 2	ug/l	GFV005
				KK8	Endrin	LT 5.00 -2	ug/l	GFG019
				UM25	Endrin	LT 1.60 1	ug/l	GFV005
				UM21	Ethylbenzene	LT 1.00 0	ug/l	GEZ006
				AV8	Ethylbenzene	LT 1.37 0	ug/l	GHD008
				HH8A	Fluoride	LT 4.82 2	ug/l	GFL011
				CC8	Mercury (filtered)	LT 1.00 -1	ug/l	GGW021
				KK8	Isodrin	LT 5.10 -2	ug/l	GFG019
				UM25	Isodrin	LT 7.80 0	ug/l	GFV005
				GG8	Potassium (filtered)	LT 2.50 2	ug/l	GHH018
				UM21	Toluene	LT 1.00 0	ug/l	GEZ006
				AV8	Toluene	LT 1.47 0	ug/l	GHD008
				UM21	Methylethyl Ketone	LT 1.00 1	ug/l	GEZ006
				GG8	Magnesium (filtered)	LT 5.00 2	ug/l	GHH018
				UM21	Methylisobutyl Ketone	LT 1.40 0	ug/l	GEZ006
				P8	Methylisobutyl Ketone	LT 4.90 0	ug/l	GFD015

Note: Results for some parameters may appear in more than one analytical fraction.

Summary of Analytical Results

Surface Water Samples for Spring 89

Sampling Date	Station Number	Sample Depth (cm)	Sample Type	Method	Analytical Parameters	Results	Units	Sample Number
89117	SW01001TB	0	QCTB	UH11	Malathion	LT 3.73 -1	ug/l	GFK015
				UM25	Malathion	LT 2.10 1	ug/l	GFV005
				GG8	Sodium (filtered)	LT 9.40 2	ug/l	GHH018
				LL8	Nitrite,Nitrate - Non specific	1.11 1	ug/l	GCL032
				AAA8	1,4-Oxathiane	LT 2.38 0	ug/l	GFH016
				UM25	1,4-Oxathiane	LT 2.70 1	ug/l	GFV005
				GG8	Lead (filtered)	LT 7.40 1	ug/l	GHH018
				KK8	Dichlorodiphenylethane	LT 5.40 -2	ug/l	GFG019
				UM25	Dichlorodiphenylethane	LT 1.40 1	ug/l	GFV005
				KK8	Dichlorodiphenyltrichloroethane	LT 4.90 -2	ug/l	GFG019
				UM25	Dichlorodiphenyltrichloroethane	LT 1.80 1	ug/l	GFV005
				UH11	Parathion	LT 6.47 -1	ug/l	GFK015
				UM25	Parathion	LT 3.70 1	ug/l	GFV005
				HH8A	Sulfate	LT 2.51 2	ug/l	GFL011
				UH11	2-Chloro-1(2,4-Dichlorophenyl) Vinyl-diethyl Phosphates	LT 7.87 -1	ug/l	GFK015
				UM25	2-Chloro-1(2,4-Dichlorophenyl) Vinyl-diethyl Phosphates	LT 1.90 1	ug/l	GFV005
				UM21	1,1,2,2-Tetrachloroethane	LT 1.50 0	ug/l	GEZ006
				UM21	Tetrachloroethene	LT 1.00 0	ug/l	GEZ006
				N8	Tetrachloroethene	LT 7.50 -1	ug/l	GHE008
				UM21	Trichloroethene	LT 1.00 0	ug/l	GEZ006
				N8	Trichloroethene	LT 5.60 -1	ug/l	GHE008
				UM21	Ortho- & Para-Xylene	LT 2.00 0	ug/l	GEZ006
				AV8	Ortho- & Para-Xylene	LT 1.36 0	ug/l	GHD008
				GG8	Zinc (filtered)	LT 2.20 1	ug/l	GHH018
89138	SW01002	0.3	POND	N8	1,1,1-Trichloroethane	LT 7.60 -1	ug/l	GLY011
				UM21	1,1,1-Trichloroethane	LT 1.00 0	ug/l	GLL008
				N8	1,1,2-Trichloroethane	LT 7.80 -1	ug/l	GLY011
				UM21	1,1,2-Trichloroethane	LT 1.00 0	ug/l	GLL008
				N8	1,1-Dichloroethene	LT 1.70 0	ug/l	GLY011
				UM21	1,1-Dichloroethene	LT 1.00 0	ug/l	GLL008

Note: Results for some parameters may appear in more than one analytical fraction.

Summary of Analytical Results

Surface Water Samples for Spring 89

Sampling Date	Station Number	Sample Depth (cm)	Sample Type	Method	Analytical Parameters	Results	Units	Sample Number
89138	SW01002	0.3	POND	N8	1,1-Dichloroethane	LT 7.30 -1	ug/l	GLY011
				UM21	1,1-Dichloroethane	LT 1.00 0	ug/l	GLL008
				N8	1,2-Dichloroethene	LT 7.60 -1	ug/l	GLY011
				UM21	1,2-Dichloroethene	LT 5.00 0	ug/l	GLL008
				N8	1,2-Dichloroethane	LT 1.10 0	ug/l	GLY011
				UM21	1,2-Dichloroethane	LT 1.00 0	ug/l	GLL008
				UM21	1,2-Dichloropropane	LT 1.00 0	ug/l	GLL008
				UM21	1,3-Dichlorobenzene	LT 1.00 0	ug/l	GLL008
				UM21	1,3-Dichloropropane	LT 4.80 0	ug/l	GLL008
				UM21	m-Xylene	LT 1.00 0	ug/l	GLL008
				AV8	m-Xylene	LT 1.32 0	ug/l	GLZ011
				UM21	2-Chloroethylvinyl Ether	LT 3.50 0	ug/l	GLL008
				UM21	Acrylonitrile	LT 8.40 0	ug/l	GLL008
				KK8	Aldrin	3.20 0	ug/l	GLH012
				UM25	Aldrin	LT 1.30 1	ug/l	GMR002
				00	ALKALINITY	1.37 2	ug/l	GMK009
				AX8	Arsenic (filtered)	1.69 1	ug/l	GLP016
				UH11	Atrazine	8.52 1	ug/l	GLG012
				UM25	Atrazine	LT 5.90 0	ug/l	GMR002
				P8	Bicycloheptadiene	LT 5.90 0	ug/l	GLF017
				UM21	Bromodichloromethane	LT 1.00 0	ug/l	GLL008
				AAAS	Benzothiazole	1.42 1	ug/l	GLJ013
				UM21	Vinyl Chloride	LT 1.20 1	ug/l	GLL008
				UM21	Chloroethane	LT 8.00 0	ug/l	GLL008
				UM21	Benzene	LT 1.00 0	ug/l	GLL008
				AV8	Benzene	LT 1.05 0	ug/l	GLZ011
				GG8	Calcium (filtered)	5.25 4	ug/l	GLO019
				UM21	Trichlorofluoromethane	LT 1.00 0	ug/l	GLL008
				N8	Carbon Tetrachloride	LT 9.90 -1	ug/l	GLY011
				UM21	Carbon Tetrachloride	LT 1.00 0	ug/l	GLL008
				GG8	Cadmium (filtered)	LT 8.40 0	ug/l	GLO019
				N8	Methylene Chloride	LT 7.40 0	ug/l	GLY011
				UM21	Methylene Chloride	LT 1.00 0	ug/l	GLL008
				UM21	Bromomethane	LT 1.40 1	ug/l	GLL008

Note: Results for some parameters may appear in more than one analytical fraction.

Summary of Analytical Results

Surface Water Samples for Spring 89

Sampling Date	Station Number	Sample Depth (cm)	Sample Type	Method	Analytical Parameters	Results	Units	Sample Number
89138	SW01002	0.3	POND	UM21	Chloromethane	LT 1.20 0	ug/l	GLL008
				UM21	Bromoform	LT 1.10 1	ug/l	GLL008
				N8	Chloroform	7.07 0	ug/l	GLY011
				UM21	Chloroform	5.66 0	ug/l	GLL008
				HH8A	Chloride	2.70 4	ug/l	GLN016
				KK8	Hexachlorocyclopentadiene	2.21 -1	ug/l	GLH012
				UM25	Hexachlorocyclopentadiene	LT 5.40 1	ug/l	GMR002
				N8	Chlorobenzene	LT 8.20 -1	ug/l	GLY011
				UM21	Chlorobenzene	LT 1.00 0	ug/l	GLL008
				KK8	Chlordane	9.90 0	ug/l	GLH012
				UM25	Chlordane	LT 3.70 1	ug/l	GMR002
				AAAB	p-Chlorophenylmethyl Sulfide	LT 5.69 0	ug/l	GLJ013
				UM25	p-Chlorophenylmethyl Sulfide	LT 1.00 1	ug/l	GMR002
				AAAB	p-Chlorophenylmethyl Sulfoxide	7.50 2	ug/l	GLJ013
				UM25	p-Chlorophenylmethyl Sulfoxide	GT 3.00 2	ug/l	GMR002
				AAAB	p-Chlorophenylmethyl Sulfone	8.40 1	ug/l	GLJ013
				UM25	p-Chlorophenylmethyl Sulfone	1.01 2	ug/l	GMR002
				GG8	Chromium (filtered)	LT 2.40 1	ug/l	GLO019
				GG8	Copper (filtered)	LT 2.60 1	ug/l	GLO019
				TF20	Cyanide	LT 5.00 0	ug/l	GLM005
				AY8	Dibromochloropropane	3.80 1	ug/l	GLI013
				UM25	Dibromochloropropane	LT 1.20 1	ug/l	GMR002
				UM21	Dibromochloromethane	LT 1.00 0	ug/l	GLL008
				UM21	1,4-Dichlorobenzene	LT 2.00 0	ug/l	GLL008
				P8	Dicyclopentadiene	9.69 1	ug/l	GLF017
				UM25	Dicyclopentadiene	7.56 1	ug/l	GMR002
				UH11	Vapona	LT 3.84 -1	ug/l	GLG012
				UM25	Vapona	LT 8.50 0	ug/l	GMR002
				AT8	Diisopropylmethyl Phosphonate	LT 3.92 -1	ug/l	GLK016
				UM25	Diisopropylmethyl Phosphonate	LT 2.10 1	ug/l	GMR002
				AAAB	Dithiane	LT 1.34 0	ug/l	GLJ013
				UM25	Dithiane	LT 3.30 0	ug/l	GMR002
				KK8	Dieldrin	2.00 0	ug/l	GLH012
				UM25	Dieldrin	LT 2.60 1	ug/l	GMR002

Note: Results for some parameters may appear in more than one analytical fraction.

Summary of Analytical Results

Surface Water Samples for Spring 89

Sampling Date	Station Number	Sample Depth (cm)	Sample Type	Method	Analytical Parameters	Results	Units	Sample Number
89138	SW01002	0.3	POND	AAAS	Dimethyldisulfide	LT 5.50 -1	ug/l	GLJ013
				AT8	Dimethylmethyl Phosphate	7.42 -1	ug/l	GLK016
				UM25	Dimethylmethyl Phosphate	LT 1.30 2	ug/l	GMR002
				KK8	Endrin	4.70 -1	ug/l	GLH012
				UM25	Endrin	LT 1.80 1	ug/l	GMR002
				UM21	Ethylbenzene	LT 1.00 0	ug/l	GLL008
				AV8	Ethylbenzene	LT 1.37 0	ug/l	GLZ011
				HH8A	Fluoride	1.02 3	ug/l	GLN016
				CC8	Mercury (filtered)	1.98 -1	ug/l	GML032
				KK8	Isodrin	7.40 -1	ug/l	GLH012
				UM25	Isodrin	LT 7.80 0	ug/l	GMR002
				GG8	Potassium (filtered)	4.21 3	ug/l	GL0019
				UM21	Toluene	LT 1.00 0	ug/l	GLL008
				AV8	Toluene	4.42 0	ug/l	GLZ011
				UM21	Methylethyl Ketone	LT 1.00 1	ug/l	GLL008
				GG8	Magnesium (filtered)	1.14 4	ug/l	GL0019
				P8	Methylisobutyl Ketone	LT 4.90 0	ug/l	GLF017
				UM21	Methylisobutyl Ketone	LT 1.40 0	ug/l	GLL008
				UH11	Malathion	1.07 1	ug/l	GLG012
				UM25	Malathion	LT 2.10 1	ug/l	GMR002
				GG8	Sodium (filtered)	5.60 4	ug/l	GL0019
				LL8	Nitrite,Nitrate - Non specific	1.70 3	ug/l	GMZ005
				AAAS	1,4-Oxathiane	LT 2.38 0	ug/l	GLJ013
				UM25	1,4-Oxathiane	LT 2.70 1	ug/l	GMR002
				GG8	Lead (filtered)	LT 7.40 1	ug/l	GL0019
				KK8	Dichlorodiphenylethane	LT 5.40 -2	ug/l	GLH012
				UM25	Dichlorodiphenylethane	LT 1.40 1	ug/l	GMR002
				KK8	Dichlorodiphenyltrichloro-ethane	1.93 -1	ug/l	GLH012
				UM25	Dichlorodiphenyltrichloro-ethane	LT 1.80 1	ug/l	GMR002
				UH11	Parathion	1.51 1	ug/l	GLG012
				UM25	Parathion	LT 3.70 1	ug/l	GMR002
				HH8A	Sulfate	1.00 5	ug/l	GLN016

Note: Results for some parameters may appear in more than one analytical fraction.

Summary of Analytical Results

Surface Water Samples for Spring 89

Sampling Date	Station Number	Sample Depth (cm)	Sample Type	Method	Analytical Parameters	Results	Units	Sample Number
89138	SW01002	0.3	POND	UH11	2-Chloro-1(2,4-Dichlorophenyl) Vinyl-diethyl Phosphates	7.10 0	ug/l	GLG012
				UM25	2-Chloro-1(2,4-Dichlorophenyl) Vinyl-diethyl Phosphates	LT 1.90 1	ug/l	GMR002
				UM21	1,1,2,2-Tetrachloroethane	LT 1.50 0	ug/l	GLL008
				N8	Tetrachloroethene	1.64 0	ug/l	GLY011
				UM21	Tetrachloroethene	1.20 0	ug/l	GLL008
				N8	Trichloroethene	LT 5.60 -1	ug/l	GLY011
				UM21	Trichloroethene	LT 1.00 0	ug/l	GLL008
				UM21	Ortho- & Para-Xylene	LT 2.00 0	ug/l	GLL008
				AV8	Ortho- & Para-Xylene	LT 1.36 0	ug/l	GLZ011
				GG8	Zinc (filtered)	3.48 1	ug/l	GL0019
89136	SW01002B	0.3	POND	N9	1,1,1-Trichloroethane	LT 4.30 -1	ug/l	GLV006
				NN9	1,1,1-Trichloroethane	LT 6.80 -2	ug/l	GLW005
				N9	1,1,2-Trichloroethane	LT 3.90 -1	ug/l	GLV006
				NN9	1,1,2-Trichloroethane	LT 2.60 -1	ug/l	GLW005
				NN9	1,1-Dichloroethene	LT 2.40 -1	ug/l	GLW005
				N9	1,1-Dichloroethane	LT 1.70 0	ug/l	GLV006
				NN9	1,1-Dichloroethane	LT 7.40 -2	ug/l	GLW005
				N9	1,2-Dichloroethene	LT 1.70 0	ug/l	GLV006
				NN9	1,2-Dichloroethene	LT 2.60 -1	ug/l	GLW005
				N9	1,2-Dichloroethane	LT 5.60 -1	ug/l	GLV006
				NN9	1,2-Dichloroethane	LT 8.50 -2	ug/l	GLW005
				N9	m-Xylene	LT 7.40 -1	ug/l	GLV006
				KK9A	Aldrin	8.40 0	ug/l	GLS009
				LH15	Atrazine	LT 1.54 -1	ug/l	GLX006
				N9	Bicycloheptadiene	LT 3.60 -1	ug/l	GLV006
				N9	Benzene	LT 2.50 -1	ug/l	GLV006
				N9	Carbon Tetrachloride	LT 2.50 -1	ug/l	GLV006
				NN9	Carbon Tetrachloride	LT 1.20 -1	ug/l	GLW005
				N9	Methylene Chloride	LT 1.50 0	ug/l	GLV006
				NN9	Methylene Chloride	LT 3.70 0	ug/l	GLW005
				N9	Chloroform	LT 2.90 -1	ug/l	GLV006

Note: Results for some parameters may appear in more than one analytical fraction.

Summary of Analytical Results

Surface Water Samples for Spring 89

Sampling Date	Station Number	Sample Depth (cm)	Sample Type	Method	Analytical Parameters	Results	Units	Sample Number
89136	SW01002B	0.3	POND	NN9	Chloroform	LT 6.80 -2	ug/l	GLW005
				KK9A	Hexachlorocyclopentadiene	LT 1.80 -3	ug/l	GLS009
				N9	Chlorobenzene	LT 1.50 0	ug/l	GLV006
				NN9	Chlorobenzene	LT 2.00 -1	ug/l	GLW005
				KK9A	Chlordane	LT 2.30 -2	ug/l	GLS009
				S9	Dibromochloropropane	2.93 -2	ug/l	GLQ008
				N9	Dibromochloropropane	LT 2.40 0	ug/l	GLV006
				N9	Dicyclopentadiene	LT 6.40 -1	ug/l	GLV006
				LH15	Vapona	LT 8.00 -2	ug/l	GLX006
				KK9A	Dieldrin	4.00 -1	ug/l	GLS009
				N9	Dimethyldisulfide	LT 2.00 1	ug/l	GLV006
				KK9A	Endrin	LT 5.80 -3	ug/l	GLS009
				N9	Ethylbenzene	LT 3.80 -1	ug/l	GLV006
				KK9A	Isodrin	2.80 -1	ug/l	GLS009
				N9	Toluene	LT 2.50 -1	ug/l	GLV006
				N9	Methylisobutyl Ketone	LT 7.30 -1	ug/l	GLV006
				LH15	Malathion	LT 1.26 -1	ug/l	GLX006
				KK9A	Dichlorodiphenylethane	6.10 -2	ug/l	GLS009
				KK9A	Dichlorodiphenyltrichloroethane	1.60 -1	ug/l	GLS009
				LH15	Parathion	LT 1.59 -1	ug/l	GLX006
				LH15	2-Chloro-1(2,4-Dichlorophenyl) Vinyl-diethyl Phosphates	LT 1.48 -1	ug/l	GLX006
				N9	Tetrachloroethene	LT 2.50 -1	ug/l	GLV006
				NN9	Tetrachloroethene	LT 2.70 -1	ug/l	GLW005
				N9	Trichloroethene	LT 5.40 -1	ug/l	GLV006
				NN9	Trichloroethene	LT 1.40 -1	ug/l	GLW005
				N9	Ortho- & Para-Xylene	LT 4.90 0	ug/l	GLV006
89136	SW01002B	0.3	POND	AA9	m-Xylene	LT 2.60 -1	ug/l	GLU005
				ZZ9	Bicycloheptadiene	LT 5.08 0	ug/l	IKZ005
				AA9	Benzene	LT 8.50 -2	ug/l	GLU005
				ZZ9	Dicyclopentadiene	LT 5.12 0	ug/l	IKZ005
				TT9	Diisopropylmethyl Phosphonate	LT 1.14 -1	ug/l	KSX005

Note: Results for some parameters may appear in more than one analytical fraction.

Summary of Analytical Results

Surface Water Samples for Spring 89

Sampling Date	Station Number	Sample Depth (cm)	Sample Type	Method	Analytical Parameters	Results	Units	Sample Number
89138	SW01002B	0.3	POND	TT9	Dimethylmethyl Phosphate	LT 1.33 -1	ug/l	KSX005
				AA9	Ethylbenzene	LT 1.60 -1	ug/l	GLU005
				AA9	Fluoroacetic Acid	LT 2.00 0	ug/l	KRV009
				AA9	Isopropylmethyl Phosphonic Acid	LT 2.11 0	ug/l	KRV009
				AA9	Toluene	LT 1.90 -1	ug/l	GLU005
				ZZ9	Methylisobutyl Ketone	LT 5.24 0	ug/l	IKZ005
				AA9	Ortho- & Para-Xylene	LT 3.90 -1	ug/l	GLU005
89109	SW01004	0.3	LAKE	AV8	m-Xylene	LT 1.32 0	ug/l	GCS012
				KK8	Aldrin	LT 5.00 -2	ug/l	GCY014
				UM25	Aldrin	LT 1.30 1	ug/l	GDV006
				00	ALKALINITY	1.87 2	ug/l	GCJ012
				AX8	Arsenic (filtered)	2.44 0	ug/l	GCM021
				AX8	Arsenic	2.61 0	ug/l	GCM022
				UH11	Atrazine	LT 4.03 0	ug/l	GCW012
				UM25	Atrazine	LT 5.90 0	ug/l	GDV006
				PS	Bicycloheptadiene	LT 5.90 0	ug/l	GCY012
				AA8	Benzothiazole	LT 5.00 0	ug/l	GCZ014
				AV8	Benzene	LT 1.05 0	ug/l	GCS012
				GG8	Calcium (filtered)	5.73 4	ug/l	GCO021
				GG8	Calcium	5.84 4	ug/l	GCO022
				GG8	Cadmium (filtered)	LT 8.40 0	ug/l	GCO021
				GG8	Cadmium	LT 8.40 0	ug/l	GCO022
				HH8A	Chloride	5.70 4	ug/l	GCK012
				KK8	Hexachlorocyclopentadiene	LT 4.80 -2	ug/l	GCY014
				UM25	Hexachlorocyclopentadiene	LT 5.40 1	ug/l	GDV006
				KK8	Chlordane	LT 9.50 -2	ug/l	GCY014
				UM25	Chlordane	LT 3.70 1	ug/l	GDV006
				AA8	p-Chlorophenylmethyl Sulfide	LT 5.69 0	ug/l	GCZ014
				UM25	p-Chlorophenylmethyl Sulfide	LT 1.00 1	ug/l	GDV006
				AA8	p-Chlorophenylmethyl Sulfoxide	LT 1.15 1	ug/l	GCZ014
				UM25	p-Chlorophenylmethyl Sulfoxide	LT 1.50 1	ug/l	GDV006
				AA8	p-Chlorophenylmethyl Sulfone	LT 7.46 0	ug/l	GCZ014

Note: Results for some parameters may appear in more than one analytical fraction.

Summary of Analytical Results

Surface Water Samples for Spring 89

Sampling Date	Station Number	Sample Depth (cm)	Sample Type	Method	Analytical Parameters	Results	Units	Sample Number
89109	SW01004	0.3	LAKE	UM25	p-Chlorophenylmethyl Sulfone	LT 5.30 0	ug/l	GDV006
				GG8	Chromium (filtered)	LT 2.40 1	ug/l	GCO021
				GG8	Chromium	LT 2.40 1	ug/l	GCO022
				GG8	Copper (filtered)	LT 2.60 1	ug/l	GCO021
				GG8	Copper	LT 2.60 1	ug/l	GCO022
				TF20	Cyanide	LT 5.00 0	ug/l	GCR012
				AY8	Dibromochloropropane	LT 1.95 -1	ug/l	GDA014
				UM25	Dibromochloropropane	LT 1.20 1	ug/l	GDV006
				P8	Dicyclopentadiene	LT 5.00 0	ug/l	GCY012
				UM25	Dicyclopentadiene	LT 5.50 0	ug/l	GDV006
				UH11	Vapona	LT 3.84 -1	ug/l	GCW012
				UM25	Vapona	LT 8.50 0	ug/l	GDV006
				AT8	Diisopropylmethyl Phosphonate	LT 3.92 -1	ug/l	GCX014
				UM25	Diisopropylmethyl Phosphonate	LT 2.10 1	ug/l	GDV006
				AAA8	Dithiane	LT 1.34 0	ug/l	GCZ014
				UM25	Dithiane	LT 3.30 0	ug/l	GDV006
				KK8	Dieldrin	4.93 -2	ug/l	GCY014
				UM25	Dieldrin	LT 2.60 1	ug/l	GDV006
				AAA8	Dimethyldisulfide	LT 5.50 -1	ug/l	GCZ014
				AT8	Dimethylmethyl Phosphate	LT 1.88 -1	ug/l	GCX014
				UM25	Dimethylmethyl Phosphate	LT 1.30 2	ug/l	GDV006
				KK8	Endrin	5.33 -2	ug/l	GCY014
				UM25	Endrin	LT 1.80 1	ug/l	GDV006
				AV8	Ethylbenzene	LT 1.37 0	ug/l	GCS012
				HH8A	Fluoride	1.11 3	ug/l	GCK012
				CC8	Mercury (filtered)	LT 1.00 -1	ug/l	GCN021
				CC8	Mercury	LT 1.00 -1	ug/l	GCN022
				KK8	Isodrin	LT 5.10 -2	ug/l	GCY014
				UM25	Isodrin	LT 7.80 0	ug/l	GDV006
				GG8	Potassium (filtered)	6.91 3	ug/l	GCO021
				GG8	Potassium	7.37 3	ug/l	GCO022
				AV8	Toluene	LT 1.47 0	ug/l	GCS012
				GG8	Magnesium (filtered)	1.50 4	ug/l	GCO021
				GG8	Magnesium	1.59 4	ug/l	GCO022

Note: Results for some parameters may appear in more than one analytical fraction.

Summary of Analytical Results

Surface Water Samples for Spring 89

Sampling Date	Station Number	Sample Depth (cm)	Sample Type	Method	Analytical Parameters	Results	Units	Sample Number
89109	SW01004	0.3	LAKE	P8	Methylisobutyl Ketone	LT 4.90	0 ug/l	GCV012
				UM25	Malathion	LT 2.10	1 ug/l	GDV006
				GG8	Sodium (filtered)	6.67	4 ug/l	GC0021
				GG8	Sodium	6.74	4 ug/l	GC0022
				LL8	Nitrite,Nitrate - Non specific	2.40	2 ug/l	GCL012
				AAA6	1,4-Oxathiane	LT 2.38	0 ug/l	GCZ014
				UM25	1,4-Oxathiane	LT 2.70	1 ug/l	GDV006
				GG8	Lead (filtered)	LT 7.40	1 ug/l	GC0021
				GG8	Lead	LT 7.40	1 ug/l	GC0022
				KK8	Dichlorodiphenylethane	LT 5.40	-2 ug/l	GCY014
				UM25	Dichlorodiphenylethane	LT 1.40	1 ug/l	GDV006
				KK8	Dichlorodiphenyltrichloro-ethane	LT 4.90	-2 ug/l	GCY014
				UM25	Dichlorodiphenyltrichloro-ethane	LT 1.60	1 ug/l	GDV006
				UM25	Parathion	LT 3.70	1 ug/l	GDV006
				HH8A	Sulfate	5.20	4 ug/l	GCK012
				UM25	2-Chloro-1(2,4-Dichlorophenyl) Vinyl-diethyl Phosphates	LT 1.90	1 ug/l	GDV006
				AV8	Ortho- & Para-Xylene	LT 1.36	0 ug/l	GCS012
				GG8	Zinc (filtered)	LT 2.20	1 ug/l	GC0021
				GG8	Zinc	LT 2.20	1 ug/l	GC0022
89107	SW01005	0.3	LAKE	GG8	Calcium (filtered)	4.44	4 ug/l	GC0007
				GG8	Cadmium (filtered)	LT 8.40	0 ug/l	GC0007
				GG8	Chromium (filtered)	LT 2.40	1 ug/l	GC0007
				GG8	Copper (filtered)	LT 2.60	1 ug/l	GC0007
				GG8	Potassium (filtered)	3.50	3 ug/l	GC0007
				GG8	Magnesium (filtered)	1.35	4 ug/l	GC0007
				GG8	Sodium (filtered)	4.13	4 ug/l	GC0007
				GG8	Lead (filtered)	LT 7.40	1 ug/l	GC0007
				GG8	Zinc (filtered)	LT 2.20	1 ug/l	GC0007
89108	SW01005	0.3	LAKE	AV8	m-Xylene	LT 1.32	0 ug/l	GCS006
				KK8	Aldrin	LT 5.00	-2 ug/l	GCY006
				UM25	Aldrin	LT 1.30	1 ug/l	GDV002

Note: Results for some parameters may appear in more than one analytical fraction.

Summary of Analytical Results

Surface Water Samples for Spring 89

Sampling Date	Station Number	Sample Depth (cm)	Sample Type	Method	Analytical Parameters	Results	Units	Sample Number	
89108	SW01005	0.3	LAKE	00	ALKALINITY	1.27	2	ug/l	GCJ006
				AX8	Arsenic (filtered)	LT 2.35	0	ug/l	GCM007
				AX8	Arsenic	LT 2.35	0	ug/l	GCM008
				UH11	Atrazine	LT 4.03	0	ug/l	GCW006
				UM25	Atrazine	LT 5.90	0	ug/l	GDV002
				P8	Bicycloheptadiene	LT 5.90	0	ug/l	GCV006
				AAAB	Benzothiazole	LT 5.00	0	ug/l	GCZ006
				AV8	Benzene	LT 1.05	0	ug/l	GCS006
				GG8	Calcium	4.94	4	ug/l	GCD008
				GG8	Cadmium	LT 8.40	0	ug/l	GCD008
				HH8A	Chloride	3.30	4	ug/l	GCK006
				KK8	Hexachlorocyclopentadiene	LT 4.80	-2	ug/l	GCY006
				UM25	Hexachlorocyclopentadiene	LT 5.40	1	ug/l	GDV002
				KK8	Chlordane	LT 9.50	-2	ug/l	GCY006
				UM25	Chlordane	LT 3.70	1	ug/l	GDV002
				AAAB	p-Chlorophenylmethyl Sulfide	LT 5.69	0	ug/l	GCZ006
				UM25	p-Chlorophenylmethyl Sulfide	LT 1.00	1	ug/l	GDV002
				AAAB	p-Chlorophenylmethyl Sulfoxide	LT 1.15	1	ug/l	GCZ006
				UM25	p-Chlorophenylmethyl Sulfoxide	LT 1.50	1	ug/l	GDV002
				AAAB	p-Chlorophenylmethyl Sulfone	LT 7.46	0	ug/l	GCZ006
				UM25	p-Chlorophenylmethyl Sulfone	LT 5.30	0	ug/l	GDV002
				GG8	Chromium	LT 2.40	1	ug/l	GCD008
				GG8	Copper	LT 2.60	1	ug/l	GCD008
				TF20	Cyanide	LT 5.00	0	ug/l	GCR006
				AY8	Dibromochloropropane	LT 1.95	-1	ug/l	GDA006
				UM25	Dibromochloropropane	LT 1.20	1	ug/l	GDV002
				P8	Dicyclopentadiene	LT 5.00	0	ug/l	GCV006
				UM25	Dicyclopentadiene	LT 5.50	0	ug/l	GDV002
				UH11	Vapona	LT 3.64	-1	ug/l	GCW006
				UM25	Vapona	LT 6.50	0	ug/l	GDV002
				AT8	Diisopropylmethyl Phosphonate	LT 3.92	-1	ug/l	GCX006
				UM25	Diisopropylmethyl Phosphonate	LT 2.10	1	ug/l	GDV002
				AAAB	Dithiane	LT 1.34	0	ug/l	GCZ006
				UM25	Dithiane	LT 3.30	0	ug/l	GDV002

Note: Results for some parameters may appear in more than one analytical fraction.

Summary of Analytical Results

Surface Water Samples for Spring 89

Sampling Date	Station Number	Sample Depth (cm)	Sample Type	Method	Analytical Parameters	Results	Units	Sample Number
89108	SW01005	0.3	LAKE	KK8	Dieldrin	LT 5.00 -2	ug/l	GCY006
				UM25	Dieldrin	LT 2.60 1	ug/l	GDV002
				AAA8	Dimethyldisulfide	LT 5.50 -1	ug/l	GCZ006
				AT8	Dimethylmethyl Phosphate	LT 1.88 -1	ug/l	GCX006
				UM25	Dimethylmethyl Phosphate	LT 1.30 2	ug/l	GDV002
				KK8	Endrin	LT 5.00 -2	ug/l	GCY006
				UM25	Endrin	LT 1.80 1	ug/l	GDV002
				AV8	Ethylbenzene	LT 1.37 0	ug/l	GCS006
				HH8A	Fluoride	1.00 3	ug/l	GCK006
				CC8	Mercury (filtered)	LT 1.00 -1	ug/l	GCN007
				CC8	Mercury	LT 1.00 -1	ug/l	GCN008
				KK8	Isodrin	LT 5.10 -2	ug/l	GCY006
				UM25	Isodrin	LT 7.80 0	ug/l	GDV002
				GG8	Potassium	3.69 3	ug/l	GCO008
				AV8	Toluene	LT 1.47 0	ug/l	GCS006
				GG8	Magnesium	1.42 4	ug/l	GCO008
				P8	Methylisobutyl Ketone	LT 4.90 0	ug/l	GCY006
				UM25	Malathion	LT 2.10 1	ug/l	GDV002
				GG8	Sodium	4.52 4	ug/l	GCO008
				LL8	Nitrite,Nitrate - Non specific	5.74 1	ug/l	GCL007
				AAA8	1,4-Oxathiane	LT 2.38 0	ug/l	GCZ006
				UM25	1,4-Oxathiane	LT 2.70 1	ug/l	GDV002
				GG8	Lead	LT 7.40 1	ug/l	GCO008
				KK8	Dichlorodiphenylethane	LT 5.40 -2	ug/l	GCY006
				UM25	Dichlorodiphenylethane	LT 1.40 1	ug/l	GDV002
				KK8	Dichlorodiphenyltrichloro-ethane	LT 4.90 -2	ug/l	GCY006
				UM25	Dichlorodiphenyltrichloro-ethane	LT 1.80 1	ug/l	GDV002
				UM25	Parathion	LT 3.70 1	ug/l	GDV002
				HH8A	Sulfate	7.10 4	ug/l	GCK006
				UM25	2-Chloro-1(2,4-Dichlorophenyl) Vinyl-diethyl Phosphates	LT 1.90 1	ug/l	GDV002
				AV8	Ortho- & Para-Xylene	LT 1.36 0	ug/l	GCS006

Note: Results for some parameters may appear in more than one analytical fraction.

Summary of Analytical Results

Surface Water Samples for Spring 89

Sampling Date	Station Number	Sample Depth (cm)	Sample Type	Method	Analytical Parameters	Results	Units	Sample Number
89108	SW01005	0.3	LAKE	GG8	Zinc	LT 2.20 1	ug/l	GCO008
89108	SW01005D	0.3	LAKE	AV8	m-Xylene	LT 1.32 0	ug/l	GCS007
				KK8	Aldrin	LT 5.00 -2	ug/l	GCV007
				UM25	Aldrin	LT 1.30 1	ug/l	GDV003
				00	ALKALINITY	1.26 2	ug/l	GCV007
				AX8	Arsenic	LT 2.35 0	ug/l	GCM009
				AX8	Arsenic	LT 2.35 0	ug/l	GCM010
				UH11	Atrazine	LT 4.03 0	ug/l	GCW007
				UM25	Atrazine	LT 5.90 0	ug/l	GDV003
				P8	Bicycloheptadiene	LT 5.90 0	ug/l	GCV007
				AAA8	Benzothiazole	LT 5.00 0	ug/l	GCZ007
				AV8	Benzene	LT 1.05 0	ug/l	GCS007
				GG8	Calcium	4.77 4	ug/l	GCO009
				GG8	Calcium	4.86 4	ug/l	GCO010
				GG8	Cadmium	LT 8.40 0	ug/l	GCO009
				GG8	Cadmium	LT 8.40 0	ug/l	GCO010
				HH8A	Chloride	3.30 4	ug/l	GCK007
				KK8	Hexachlorocyclopentadiene	LT 4.60 -2	ug/l	GCV007
				UM25	Hexachlorocyclopentadiene	LT 5.40 1	ug/l	GDV003
				KK8	Chlordane	LT 9.50 -2	ug/l	GCV007
				UM25	Chlordane	LT 3.70 1	ug/l	GDV003
				AAA8	p-Chlorophenylmethyl Sulfide	LT 5.69 0	ug/l	GCZ007
				UM25	p-Chlorophenylmethyl Sulfide	LT 1.00 1	ug/l	GDV003
				AAA8	p-Chlorophenylmethyl Sulfoxide	LT 1.15 1	ug/l	GCZ007
				UM25	p-Chlorophenylmethyl Sulfoxide	LT 1.50 1	ug/l	GDV003
				AAA8	p-Chlorophenylmethyl Sulfone	LT 7.46 0	ug/l	GCZ007
				UM25	p-Chlorophenylmethyl Sulfone	LT 5.30 0	ug/l	GDV003
				GG8	Chromium	LT 2.40 1	ug/l	GCO009
				GG8	Chromium	LT 2.40 1	ug/l	GCO010
				GG8	Copper	LT 2.60 1	ug/l	GCO009
				GG8	Copper	LT 2.60 1	ug/l	GCO010
				TF20	Cyanide	LT 5.00 0	ug/l	GCR007
				AY8	Dibromochloropropane	LT 1.95 -1	ug/l	GDA007

Note: Results for some parameters may appear in more than one analytical fraction.

Summary of Analytical Results

Surface Water Samples for Spring 89

Sampling Date	Station Number	Sample Depth (cm)	Sample Type	Method	Analytical Parameters	Results	Units	Sample Number
89108	SW01005D	0.3	LAKE	UM25	Dibromochloropropane	LT 1.20 1	ug/l	GDV003
				P8	Dicyclopentadiene	LT 5.00 0	ug/l	GCV007
				UM25	Dicyclopentadiene	LT 5.50 0	ug/l	GDV003
				UH11	Vapona	LT 3.84 -1	ug/l	GCW007
				UM25	Vapona	LT 8.50 0	ug/l	GDV003
				AT8	Diisopropylmethyl Phosphonate	LT 3.92 -1	ug/l	GCX007
				UM25	Diisopropylmethyl Phosphonate	LT 2.10 1	ug/l	GDV003
				AAAB	Dithiane	LT 1.34 0	ug/l	GCZ007
				UM25	Dithiane	LT 3.30 0	ug/l	GDV003
				KK8	Dieldrin	LT 5.00 -2	ug/l	GCY007
				UM25	Dieldrin	LT 2.60 1	ug/l	GDV003
				AAAB	Dimethyldisulfide	LT 5.50 -1	ug/l	GCZ007
				AT8	Dimethylmethyl Phosphate	LT 1.88 -1	ug/l	GCX007
				UM25	Dimethylmethyl Phosphate	LT 1.30 2	ug/l	GDV003
				KK8	Endrin	LT 5.00 -2	ug/l	GCY007
				UM25	Endrin	LT 1.80 1	ug/l	GDV003
				AV8	Ethylbenzene	LT 1.37 0	ug/l	GCS007
				HH8A	Fluoride	1.09 3	ug/l	GCK007
				CC8	Mercury (filtered)	LT 1.00 -1	ug/l	GCH009
				CC8	Mercury	LT 1.00 -1	ug/l	GCH010
				KK8	Isodrin	LT 5.10 -2	ug/l	GCY007
				UM25	Isodrin	LT 7.80 0	ug/l	GDV003
				GG8	Potassium	3.58 3	ug/l	GC0009
				GG8	Potassium	3.93 3	ug/l	GC0010
				AV8	Toluene	LT 1.47 0	ug/l	GCS007
				GG8	Magnesium	1.37 4	ug/l	GC0009
				GG8	Magnesium	1.45 4	ug/l	GC0010
				P8	Methylisobutyl Ketone	LT 4.90 0	ug/l	GCV007
				UM25	Malathion	LT 2.10 1	ug/l	GDV003
				GG8	Sodium	4.22 4	ug/l	GC0009
				GG8	Sodium	4.40 4	ug/l	GC0010
				LL8	Nitrite,Nitrate - Non specific	7.46 1	ug/l	GCL009
				AAAB	1,4-Oxathiane	LT 2.38 0	ug/l	GCZ007
				UM25	1,4-Oxathiane	LT 2.70 1	ug/l	GDV003

Note: Results for some parameters may appear in more than one analytical fraction.

Summary of Analytical Results

Surface Water Samples for Spring 89

Sampling Date	Station Number	Sample Depth (cm)	Sample Type	Method	Analytical Parameters	Results	Units	Sample Number
89108	SW01005D	0.3	LAKE	GG8	Lead	LT 7.40	1 ug/l	GC0009
				GG8	Lead	LT 7.40	1 ug/l	GC0010
				KK8	Dichlorodiphenylethane	LT 5.40	-2 ug/l	GCY007
				UM25	Dichlorodiphenylethane	LT 1.40	1 ug/l	GDV003
				KK8	Dichlorodiphenyltrichloroethane	LT 4.90	-2 ug/l	GCY007
				UM25	Dichlorodiphenyltrichloroethane	LT 1.80	1 ug/l	GDV003
				UM25	Parathion	LT 3.70	1 ug/l	GDV003
				HH8A	Sulfate	7.00	4 ug/l	GCK007
				UM25	2-Chloro-1(2,4-Dichlorophenyl) Vinyl-diethyl Phosphates	LT 1.90	1 ug/l	GDV003
				AV8	Ortho- & Para-Xylene	LT 1.36	0 ug/l	GCS007
				GG8	Zinc	2.81	1 ug/l	GC0009
				GG8	Zinc	2.30	1 ug/l	GC0010
89108	SW02003	0.3	LAKE	UM21	1,1,1-Trichloroethane	LT 1.00	0 ug/l	GCQ003
				UM21	1,1,2-Trichloroethane	LT 1.00	0 ug/l	GCQ003
				UM21	1,1-Dichloroethene	LT 1.00	0 ug/l	GCQ003
				UM21	1,1-Dichloroethane	LT 1.00	0 ug/l	GCQ003
				UM21	1,2-Dichloroethene	LT 5.00	0 ug/l	GCQ003
				UM21	1,2-Dichloroethane	LT 1.00	0 ug/l	GCQ003
				UM21	1,2-Dichloropropane	LT 1.00	0 ug/l	GCQ003
				UM21	1,3-Dichlorobenzene	LT 1.00	0 ug/l	GCQ003
				UM21	1,3-Dichloropropane	LT 4.80	0 ug/l	GCQ003
				UM21	m-Xylene	LT 1.00	0 ug/l	GCQ003
				AV8	m-Xylene	LT 1.32	0 ug/l	GCS008
				UM21	2-Chloroethylvinyl Ether	LT 3.50	0 ug/l	GCQ003
				UM21	Acrylonitrile	LT 8.40	0 ug/l	GCQ003
				KK8	Aldrin	LT 5.00	-2 ug/l	GCY008
				UM25	Aldrin	LT 1.30	1 ug/l	GCT003
				00	ALKALINITY	1.25	2 ug/l	GCJ008
				AX8	Arsenic (filtered)	LT 2.35	0 ug/l	GCM011
				AX8	Arsenic	LT 2.35	0 ug/l	GCM012
				UH11	Atrazine	LT 4.03	0 ug/l	GCW008

Note: Results for some parameters may appear in more than one analytical fraction.

Summary of Analytical Results

Surface Water Samples for Spring 89

Sampling Date	Station Number	Sample Depth (cm)	Sample Type	Method	Analytical Parameters	Results	Units	Sample Number
89108	SW02003	0.3	LAKE	UM25	Atrazine	LT 5.90	0 ug/l	GCT003
				P8	Bicycloheptadiene	LT 5.90	0 ug/l	GCV008
				UM21	Bromodichloromethane	LT 1.00	0 ug/l	GCQ003
				AAA8	Benzothiazole	LT 5.00	0 ug/l	GCZ008
				UM21	Vinyl Chloride	LT 1.20	1 ug/l	GCQ003
				UM21	Chloroethane	LT 8.00	0 ug/l	GCQ003
				UM21	Benzene	LT 1.00	0 ug/l	GCQ003
				AV8	Benzene	LT 1.05	0 ug/l	GCS008
				GG8	Calcium (filtered)	4.35	4 ug/l	GC0011
				GG8	Calcium	4.31	4 ug/l	GC0012
				UM21	Trichlorofluoromethane	LT 1.00	0 ug/l	GCQ003
				UM21	Carbon Tetrachloride	LT 1.00	0 ug/l	GCQ003
				GG8	Cadmium (filtered)	LT 8.40	0 ug/l	GC0011
				GG8	Cadmium	LT 8.40	0 ug/l	GC0012
				UM21	Methylene Chloride	LT 1.00	0 ug/l	GCQ003
				UM21	Bromomethane	LT 1.40	1 ug/l	GCQ003
				UM21	Chloromethane	LT 1.20	0 ug/l	GCQ003
				UM21	Bromoform	LT 1.10	1 ug/l	GCQ003
				UM21	Chloroform	LT 1.00	0 ug/l	GCQ003
				HH8A	Chloride	4.60	4 ug/l	GCK008
				KK8	Hexachlorocyclopentadiene	LT 4.80	-2 ug/l	GCV008
				UM25	Hexachlorocyclopentadiene	LT 5.40	1 ug/l	GCT003
				UM21	Chlorobenzene	LT 1.00	0 ug/l	GCQ003
				KK8	Chlordane	LT 9.50	-2 ug/l	GCV008
				UM25	Chlordane	LT 3.70	1 ug/l	GCT003
				AAA8	p-Chlorophenylmethyl Sulfide	LT 5.69	0 ug/l	GCZ008
				UM25	p-Chlorophenylmethyl Sulfide	LT 1.00	1 ug/l	GCT003
				AAA8	p-Chlorophenylmethyl Sulfoxide	LT 1.15	1 ug/l	GCZ008
				UM25	p-Chlorophenylmethyl Sulfoxide	LT 1.50	1 ug/l	GCT003
				AAA8	p-Chlorophenylmethyl Sulfone	LT 7.46	0 ug/l	GCZ008
				UM25	p-Chlorophenylmethyl Sulfone	LT 5.30	0 ug/l	GCT003
				GG8	Chromium (filtered)	LT 2.40	1 ug/l	GC0011
				GG8	Chromium	LT 2.40	1 ug/l	GC0012
				GG8	Copper (filtered)	LT 2.60	1 ug/l	GC0011

Note: Results for some parameters may appear in more than one analytical fraction.

Summary of Analytical Results

Surface Water Samples for Spring 89

Sampling Date	Station Number	Sample Depth (cm)	Sample Type	Method	Analytical Parameters	Results	Units	Sample Number
89108	SW02003	0.3	LAKE	GG8	Copper	LT 2.60	1 ug/l	GC0012
				TF20	Cyanide	LT 5.00	0 ug/l	GCR008
				AY8	Dibromochloropropane	LT 1.95	-1 ug/l	GDA008
				UM25	Dibromochloropropane	LT 1.20	1 ug/l	GCT003
				UM21	Dibromochloromethane	LT 1.00	0 ug/l	GCQ003
				UM21	1,4-Dichlorobenzene	LT 2.00	0 ug/l	GCQ003
				P8	Dicyclopentadiene	LT 5.00	0 ug/l	GCY008
				UM25	Dicyclopentadiene	LT 5.50	0 ug/l	GCT003
				UH11	Vapona	LT 3.84	-1 ug/l	GCW008
				UM25	Vapona	LT 8.50	0 ug/l	GCT003
				AT8	Diisopropylmethyl Phosphonate	LT 3.92	-1 ug/l	GCX008
				UM25	Diisopropylmethyl Phosphonate	LT 2.10	1 ug/l	GCT003
				AAA8	Dithiane	LT 1.34	0 ug/l	GCZ008
				UM25	Dithiane	LT 3.30	0 ug/l	GCT003
				KK8	Dieldrin	LT 5.00	-2 ug/l	GCY008
				UM25	Dieldrin	LT 2.60	1 ug/l	GCT003
				AAA8	Dimethyldisulfide	LT 5.50	-1 ug/l	GCZ008
				UM21	Acetone	LT 8.00	0 ug/l	GCQ003
				AT8	Dimethylmethyl Phosphate	LT 1.88	-1 ug/l	GCX008
				UM25	Dimethylmethyl Phosphate	LT 1.30	2 ug/l	GCT003
				KK8	Endrin	LT 5.00	-2 ug/l	GCY008
				UM25	Endrin	LT 1.80	1 ug/l	GCT003
				UM21	Ethylbenzene	LT 1.00	0 ug/l	GCQ003
				AV8	Ethylbenzene	LT 1.37	0 ug/l	GCS008
				HH8A	Fluoride	1.20	3 ug/l	GCK008
				CC8	Mercury (filtered)	LT 1.00	-1 ug/l	GCN011
				CC8	Mercury	LT 1.00	-1 ug/l	GCN012
				KK8	Isodrin	LT 5.10	-2 ug/l	GCY008
				UM25	Isodrin	LT 7.80	0 ug/l	GCT003
				GG8	Potassium (filtered)	2.50	3 ug/l	GC0011
				GG8	Potassium	2.90	3 ug/l	GC0012
				UM21	Toluene	LT 1.00	0 ug/l	GCQ003
				AV8	Toluene	LT 1.47	0 ug/l	GCS008
				UM21	Methylethyl Ketone	LT 1.00	1 ug/l	GCQ003

Note: Results for some parameters may appear in more than one analytical fraction.

Summary of Analytical Results

Surface Water Samples for Spring 89

Sampling Date	Station Number	Sample Depth (cm)	Sample Type	Method	Analytical Parameters	Results	Units	Sample Number
89108	SW02003	0.3	LAKE	GG6	Magnesium (filtered)	1.88	4 ug/l	GCO011
				GG6	Magnesium	1.92	4 ug/l	GCO012
				UM21	Methylisobutyl Ketone	LT 1.40	0 ug/l	GCO003
				P6	Methylisobutyl Ketone	LT 4.90	0 ug/l	GCV008
				UM25	Malathion	LT 2.10	1 ug/l	GCT003
				GG6	Sodium (filtered)	6.49	4 ug/l	GCO011
				GG6	Sodium	6.70	4 ug/l	GCO012
				LL8	Nitrite,Nitrate - Non specific	7.40	1 ug/l	GCL008
				AAA8	1,4-Oxathiane	LT 2.38	0 ug/l	GCZ008
				UM25	1,4-Oxathiane	LT 2.70	1 ug/l	GCT003
				GG6	Lead (filtered)	LT 7.40	1 ug/l	GCO011
				GG6	Lead	LT 7.40	1 ug/l	GCO012
				KK6	Dichlorodiphenylethane	LT 5.40	-2 ug/l	GCV008
				UM25	Dichlorodiphenylethane	LT 1.40	1 ug/l	GCT003
				KK6	Dichlorodiphenyltrichloroethane	LT 4.90	-2 ug/l	GCV008
				UM25	Dichlorodiphenyltrichloroethane	LT 1.80	1 ug/l	GCT003
				UM25	Parathion	LT 3.70	1 ug/l	GCT003
				HH6A	Sulfate	9.30	4 ug/l	GCK008
				UM25	2-Chloro-1(2,4-Dichlorophenyl) Vinyl-diethyl Phosphates	LT 1.90	1 ug/l	GCT003
				UM21	1,1,2,2-Tetrachloroethane	LT 1.50	0 ug/l	GCO003
				UM21	Tetrachloroethene	LT 1.00	0 ug/l	GCO003
				UM21	Trichloroethene	LT 1.00	0 ug/l	GCO003
				UM21	Ortho- & Para-Xylene	LT 2.00	0 ug/l	GCO003
				AV8	Ortho- & Para-Xylene	LT 1.36	0 ug/l	GCS008
				GG6	Zinc (filtered)	LT 2.20	1 ug/l	GCO011
				GG6	Zinc	LT 2.20	1 ug/l	GCO012
89108	SW02003RB	0	QCRB	UM21	1,1,1-Trichloroethane	LT 1.00	0 ug/l	GCO004
				UM21	1,1,2-Trichloroethane	LT 1.00	0 ug/l	GCO004
				UM21	1,1-Dichloroethene	LT 1.00	0 ug/l	GCO004
				UM21	1,1-Dichloroethane	LT 1.00	0 ug/l	GCO004
				UM21	1,2-Dichloroethene	LT 5.00	0 ug/l	GCO004

Note: Results for some parameters may appear in more than one analytical fraction.

Summary of Analytical Results

Surface Water Samples for Spring 89

Sampling Date	Station Number	Sample Depth (cm)	Sample Type	Method	Analytical Parameters	Results	Units	Sample Number
69108	SW02003RB	0	QCRB	UM21	1,2-Dichloroethane	LT 1.00	0 ug/l	GCQ004
				UM21	1,2-Dichloropropane	LT 1.00	0 ug/l	GCQ004
				UM21	1,3-Dichlorobenzene	LT 1.00	0 ug/l	GCQ004
				UM21	1,3-Dichloropropane	LT 4.80	0 ug/l	GCQ004
				UM21	m-Xylene	LT 1.00	0 ug/l	GCQ004
				AV8	m-Xylene	LT 1.32	0 ug/l	GCS009
				UM21	2-Chloroethylvinyl Ether	LT 3.50	0 ug/l	GCQ004
				UM21	Acrylonitrile	LT 8.40	0 ug/l	GCQ004
				KK8	Aldrin	LT 5.00	-2 ug/l	GCY009
				UM25	Aldrin	LT 1.30	1 ug/l	GCT004
				00	ALKALINITY	LT 6.26	1 ug/l	GCJ009
				AX8	Arsenic (filtered)	LT 2.35	0 ug/l	GCM013
				AX8	Arsenic	LT 2.35	0 ug/l	GCM014
				UH11	Atrazine	LT 4.03	0 ug/l	GCW009
				UM25	Atrazine	LT 5.90	0 ug/l	GCT004
				P8	Bicycloheptadiene	LT 5.90	0 ug/l	GCV009
				UM21	Bromodichloromethane	LT 1.00	0 ug/l	GCQ004
				AAAB	Benzothiazole	LT 5.00	0 ug/l	GCZ009
				UM21	Vinyl Chloride	LT 1.20	1 ug/l	GCQ004
				UM21	Chloroethane	LT 8.00	0 ug/l	GCQ004
				UM21	Benzene	LT 1.00	0 ug/l	GCQ004
				AV8	Benzene	LT 1.05	0 ug/l	GCS009
				GG8	Calcium (filtered)	LT 5.00	2 ug/l	GC0013
				GG8	Calcium	LT 5.00	2 ug/l	GC0014
				UM21	Trichlorofluoromethane	LT 1.00	0 ug/l	GCQ004
				UM21	Carbon Tetrachloride	LT 1.00	0 ug/l	GCQ004
				GG8	Cadmium (filtered)	LT 8.40	0 ug/l	GC0013
				GG8	Cadmium	LT 8.40	0 ug/l	GC0014
				UM21	Methylene Chloride	LT 1.00	0 ug/l	GCQ004
				UM21	Bromomethane	LT 1.40	1 ug/l	GCQ004
				UM21	Chloromethane	LT 1.20	0 ug/l	GCQ004
				UM21	Bromoform	LT 1.10	1 ug/l	GCQ004
				UM21	Chloroform	LT 1.00	0 ug/l	GCQ004
				HH8A	Chloride	LT 7.20	2 ug/l	GCK009

Note: Results for some parameters may appear in more than one analytical fraction.

Summary of Analytical Results

Surface Water Samples for Spring 89

Sampling Date	Station Number	Sample Depth (cm)	Sample Type	Method	Analytical Parameters	Results	Units	Sample Number
89108	SW02003RB	0	QCRB	KK8	Hexachlorocyclopentadiene	LT 4.80 -2	ug/l	GCY009
				UM25	Hexachlorocyclopentadiene	LT 5.40 1	ug/l	GCT004
				UM21	Chlorobenzene	LT 1.00 0	ug/l	GCQ004
				KK8	Chlordane	LT 9.50 -2	ug/l	GCY009
				UM25	Chlordane	LT 3.70 1	ug/l	GCT004
				AAAB	p-Chlorophenylmethyl Sulfide	LT 5.69 0	ug/l	GCZ009
				UM25	p-Chlorophenylmethyl Sulfide	LT 1.00 1	ug/l	GCT004
				AAAB	p-Chlorophenylmethyl Sulfoxide	LT 1.15 1	ug/l	GCZ009
				UM25	p-Chlorophenylmethyl Sulfoxide	LT 1.50 1	ug/l	GCT004
				AAAB	p-Chlorophenylmethyl Sulfone	LT 7.46 0	ug/l	GCZ009
				UM25	p-Chlorophenylmethyl Sulfone	LT 5.30 0	ug/l	GCT004
				GG8	Chromium (filtered)	LT 2.40 1	ug/l	GC0013
				GG8	Chromium	LT 2.40 1	ug/l	GC0014
				GG8	Copper (filtered)	LT 2.60 1	ug/l	GC0013
				GG8	Copper	LT 2.60 1	ug/l	GC0014
				TF20	Cyanide	LT 5.00 0	ug/l	GCR009
				AY8	Dibromochloropropane	LT 1.95 -1	ug/l	GDA009
				UM25	Dibromochloropropane	LT 1.20 1	ug/l	GCT004
				UM21	Dibromochloromethane	LT 1.00 0	ug/l	GCQ004
				UM21	1,4-Dichlorobenzene	LT 2.00 0	ug/l	GCQ004
				P8	Dicyclopentadiene	LT 5.00 0	ug/l	GCV009
				UM25	Dicyclopentadiene	LT 5.50 0	ug/l	GCT004
				UH11	Vapona	LT 3.84 -1	ug/l	GCW009
				UM25	Vapona	LT 8.50 0	ug/l	GCT004
				AT8	Diisopropylmethyl Phosphonate	LT 3.92 -1	ug/l	GCX009
				UM25	Diisopropylmethyl Phosphonate	LT 2.10 1	ug/l	GCT004
				AAAB	Dithiane	LT 1.34 0	ug/l	GCZ009
				UM25	Dithiane	LT 3.30 0	ug/l	GCT004
				KK8	Dieldrin	LT 5.00 -2	ug/l	GCY009
				UM25	Dieldrin	LT 2.60 1	ug/l	GCT004
				AAAB	Dimethyldisulfide	LT 5.50 -1	ug/l	GCZ009
				UM21	Acetone	LT 8.00 0	ug/l	GCQ004
				AT8	Dimethylmethyl Phosphate	LT 1.88 -1	ug/l	GCX009
				UM25	Dimethylmethyl Phosphate	LT 1.30 2	ug/l	GCT004

Note: Results for some parameters may appear in more than one analytical fraction.

Summary of Analytical Results

Surface Water Samples for Spring 89

Sampling Date	Station Number	Sample Depth (cm)	Sample Type	Method	Analytical Parameters	Results	Units	Sample Number
89108	SW02003RB	0	QCSP	KK8	Endrin	LT 5.00 -2	ug/l	GCY009
				UM25	Endrin	LT 1.80 1	ug/l	GCT004
				UM21	Ethylbenzene	LT 1.00 0	ug/l	GCQ004
				AV8	Ethylbenzene	LT 1.37 0	ug/l	GCS009
				HH8A	Fluoride	LT 4.82 2	ug/l	GCK009
				CC8	Mercury (filtered)	LT 1.00 -1	ug/l	GCN013
				CC8	Mercury	LT 1.00 -1	ug/l	GCN014
				KK8	Isodrin	LT 5.10 -2	ug/l	GCY009
				UM25	Isodrin	LT 7.80 0	ug/l	GCT004
				GG8	Potassium (filtered)	LT 2.50 2	ug/l	GCO013
				GG8	Potassium	LT 2.50 2	ug/l	GCO014
				UM21	Toluene	LT 1.00 0	ug/l	GCQ004
				AV8	Toluene	LT 1.47 0	ug/l	GCS009
				UM21	Methylethyl Ketone	LT 1.00 1	ug/l	GCQ004
				GG8	Magnesium (filtered)	LT 5.00 2	ug/l	GCO013
				GG8	Magnesium	LT 5.00 2	ug/l	GCO014
				UM21	Methylisobutyl Ketone	LT 1.40 0	ug/l	GCQ004
				P8	Methylisobutyl Ketone	LT 4.90 0	ug/l	GCV009
				UM25	Malathion	LT 2.10 1	ug/l	GCT004
				GG8	Sodium (filtered)	LT 9.40 2	ug/l	GCO013
				GG8	Sodium	LT 9.40 2	ug/l	GCO014
				LL8	Nitrite,Nitrate - Non specific	9.35 1	ug/l	GCL006
				AAA8	1,4-Oxathiane	LT 2.38 0	ug/l	GCZ009
				UM25	1,4-Oxathiane	LT 2.70 1	ug/l	GCT004
				GG8	Lead (filtered)	LT 7.40 1	ug/l	GCO013
				GG8	Lead	LT 7.40 1	ug/l	GCO014
				KK8	Dichlorodiphenylethane	LT 5.40 -2	ug/l	GCY009
				UM25	Dichlorodiphenylethane	LT 1.40 1	ug/l	GCT004
				KK8	Dichlorodiphenyltrichloro-ethane	LT 4.90 -2	ug/l	GCY009
				UM25	Dichlorodiphenyltrichloro-ethane	LT 1.80 1	ug/l	GCT004
				UM25	Parathion	LT 3.70 1	ug/l	GCT004
				HH8A	Sulfate	LT 2.51 2	ug/l	GCK009

Note: Results for some parameters may appear in more than one analytical fraction.

Summary of Analytical Results

Surface Water Samples for Spring 89

Sampling Date	Station Number	Sample Depth (cm)	Sample Type	Method	Analytical Parameters	Results	Units	Sample Number
89108	SW02003RB	0	QCRB	UM25	2-Chloro-1(2,4-Dichlorophenyl) Vinyl-diethyl Phosphates	LT 1.90	1 ug/l	GCT004
				UM21	1,1,2,2-Tetrachloroethane	LT 1.50	0 ug/l	GCQ004
				UM21	Tetrachloroethene	LT 1.00	0 ug/l	GCQ004
				UM21	Trichloroethene	LT 1.00	0 ug/l	GCQ004
				UM21	Ortho- & Para-Xylene	LT 2.00	0 ug/l	GCQ004
				AV8	Ortho- & Para-Xylene	LT 1.36	0 ug/l	GCS009
				GG8	Zinc (filtered)	LT 2.20	1 ug/l	GC0013
				GG8	Zinc	6.28	1 ug/l	GC0014
89109	SW02004	0.3	LAKE	AV8	m-Xylene	LT 1.32	0 ug/l	GCS011
				KK8	Aldrin	LT 5.00	-2 ug/l	GCY013
				UM25	Aldrin	LT 1.30	1 ug/l	GDV005
				00	ALKALINITY	1.50	2 ug/l	GCJ011
				AX8	Arsenic (filtered)	LT 2.35	0 ug/l	GCM019
				AX8	Arsenic	LT 2.35	0 ug/l	GCM020
				UH11	Atrazine	LT 4.03	0 ug/l	GCW011
				UM25	Atrazine	LT 5.90	0 ug/l	GDV005
				PS	Bicycloheptadiene	LT 5.90	0 ug/l	GCY011
				AAAS	Benzothiazole	LT 5.00	0 ug/l	GCZ013
				AV8	Benzene	LT 1.05	0 ug/l	GCS011
				GG8	Calcium (filtered)	4.03	4 ug/l	GC0019
				GG8	Calcium	4.27	4 ug/l	GC0020
				GG8	Cadmium (filtered)	LT 8.40	0 ug/l	GC0019
				GG8	Cadmium	LT 8.40	0 ug/l	GC0020
				HH8A	Chloride	6.00	4 ug/l	GCK011
				KK8	Hexachlorocyclopentadiene	LT 4.80	-2 ug/l	GCY013
				UM25	Hexachlorocyclopentadiene	LT 5.40	1 ug/l	GDV005
				KK8	Chlordane	LT 9.50	-2 ug/l	GCY013
				UM25	Chlordane	LT 3.70	1 ug/l	GDV005
				AAAS	p-Chlorophenylmethyl Sulfide	LT 5.69	0 ug/l	GCZ013
				UM25	p-Chlorophenylmethyl Sulfide	LT 1.00	1 ug/l	GDV005
				AAAS	p-Chlorophenylmethyl Sulfoxide	LT 1.15	1 ug/l	GCZ013
				UM25	p-Chlorophenylmethyl Sulfoxide	LT 1.50	1 ug/l	GDV005
				AAAS	p-Chlorophenylmethyl Sulfone	LT 7.46	0 ug/l	GCZ013

Note: Results for some parameters may appear in more than one analytical fraction.

Summary of Analytical Results

Surface Water Samples for Spring 89

Sampling Date	Station Number	Sample Depth (cm)	Sample Type	Method	Analytical Parameters	Results	Units	Sample Number
69109	SW02004	0.3	LAKE	UM25	p-Chlorophenylmethyl Sulfone	LT 5.30 0	ug/l	GDV005
				GG8	Chromium (filtered)	LT 2.40 1	ug/l	GC0019
				GG8	Chromium	LT 2.40 1	ug/l	GC0020
				GG8	Copper (filtered)	LT 2.60 1	ug/l	GC0019
				GG8	Copper	LT 2.60 1	ug/l	GC0020
				TF20	Cyanide	LT 5.00 0	ug/l	GCR011
				AY8	Dibromochloropropane	LT 1.95 -1	ug/l	GDA013
				UM25	Dibromochloropropane	LT 1.20 1	ug/l	GDV005
				P8	Dicyclopentadiene	LT 5.00 0	ug/l	GCV011
				UM25	Dicyclopentadiene	LT 5.50 0	ug/l	GDV005
				UH11	Vapona	LT 3.84 -1	ug/l	GCW011
				UM25	Vapona	LT 8.50 0	ug/l	GDV005
				AT8	Diisopropylmethyl Phosphonate	LT 3.92 -1	ug/l	GCX013
				UM25	Diisopropylmethyl Phosphonate	LT 2.10 1	ug/l	GDV005
				AAA8	Dithiane	LT 1.34 0	ug/l	GCZ013
				UM25	Dithiane	LT 3.30 0	ug/l	GDV005
				KK8	Dieldrin	LT 5.00 -2	ug/l	GCY013
				UM25	Dieldrin	LT 2.60 1	ug/l	GDV005
				AAA8	Dimethyldisulfide	LT 5.50 -1	ug/l	GCZ013
				AT8	Dimethylmethyl Phosphate	LT 1.88 -1	ug/l	GCX013
				UM25	Dimethylmethyl Phosphate	LT 1.30 2	ug/l	GDV005
				KK8	Endrin	LT 5.00 -2	ug/l	GCY013
				UM25	Endrin	LT 1.80 1	ug/l	GDV005
				AV8	Ethylbenzene	LT 1.37 0	ug/l	GCS011
				HH8A	Fluoride	1.18 3	ug/l	GCK011
				CC8	Mercury (filtered)	LT 1.00 -1	ug/l	GCN019
				CC8	Mercury	LT 1.00 -1	ug/l	GCN020
				KK8	Isodrin	9.72 -2	ug/l	GCY013
				UM25	Isodrin	LT 7.80 0	ug/l	GDV005
				GG8	Potassium (filtered)	3.38 3	ug/l	GC0019
				GG8	Potassium	3.59 3	ug/l	GC0020
				AV8	Toluene	LT 1.47 0	ug/l	GCS011
				GG8	Magnesium (filtered)	1.51 4	ug/l	GC0019
				GG8	Magnesium	1.59 4	ug/l	GC0020

Note: Results for some parameters may appear in more than one analytical fraction.

Summary of Analytical Results

Surface Water Samples for Spring 89

Sampling Date	Station Number	Sample Depth (cm)	Sample Type	Method	Analytical Parameters	Results	Units	Sample Number
89109	SW02004	0.3	LAKE	P8	Methylisobutyl Ketone	LT 4.90	0 ug/l	GCV011
				UM25	Malathion	LT 2.10	1 ug/l	GDV005
				GG8	Sodium (filtered)	7.84	4 ug/l	GCO019
				GG8	Sodium	8.69	4 ug/l	GCO020
				LL8	Nitrite, Nitrate - Non specific	7.21	1 ug/l	GCL011
				AAAS	1,4-Oxathiane	LT 2.38	0 ug/l	GCZ013
				UM25	1,4-Oxathiane	LT 2.70	1 ug/l	GDV005
				GG8	Lead (filtered)	LT 7.40	1 ug/l	GCO019
				GG8	Lead	LT 7.40	1 ug/l	GCO020
				KK8	Dichlorodiphenylethane	LT 5.40	-2 ug/l	GCY013
				UM25	Dichlorodiphenylethane	LT 1.40	1 ug/l	GDV005
				KK8	Dichlorodiphenyltrichloroethane	LT 4.90	-2 ug/l	GCY013
				UM25	Dichlorodiphenyltrichloroethane	LT 1.80	1 ug/l	GDV005
				UM25	Parathion	LT 3.70	1 ug/l	GDV005
				HH8A	Sulfate	7.60	4 ug/l	GCK011
				UM25	2-Chloro-1(2,4-Dichlorophenyl) Vinyl diethyl Phosphates	LT 1.90	1 ug/l	GDV005
				AV8	Ortho- & Para-Xylene	LT 1.36	0 ug/l	GCS011
				GG8	Zinc (filtered)	LT 2.20	1 ug/l	GCO019
				GG8	Zinc	LT 2.20	1 ug/l	GCO020
89117	SW02006	0.2	DTCH	UM21	1,1,1-Trichloroethane	LT 1.00	0 ug/l	GEZ003
				UM21	1,1,2-Trichloroethane	LT 1.00	0 ug/l	GEZ003
				UM21	1,1-Dichloroethene	LT 1.00	0 ug/l	GEZ003
				UM21	1,1-Dichloroethane	LT 1.00	0 ug/l	GEZ003
				UM21	1,2-Dichloroethene	LT 5.00	0 ug/l	GEZ003
				UM21	1,2-Dichloroethane	LT 1.00	0 ug/l	GEZ003
				UM21	1,2-Dichloropropane	LT 1.00	0 ug/l	GEZ003
				UM21	1,3-Dichlorobenzene	LT 1.00	0 ug/l	GEZ003
				UM21	1,3-Dichloropropane	LT 4.80	0 ug/l	GEZ003
				UM21	m-Xylene	LT 1.00	0 ug/l	GEZ003
				AV8	m-Xylene	LT 1.32	0 ug/l	GHD005
				UM21	2-Chloroethylvinyl Ether	LT 3.50	0 ug/l	GEZ003

Note: Results for some parameters may appear in more than one analytical fraction.

Summary of Analytical Results

Surface Water Samples for Spring 89

Sampling Date	Station Number	Sample Depth (cm)	Sample Type	Method	Analytical Parameters	Results	Units	Sample Number
89117	SW02006	0.2	DTCH	UM21	Acrylonitrile	LT 8.40 0	ug/l	GEZ003
				KK8	Aldrin	LT 5.00 -2	ug/l	GFG016
				UM25	Aldrin	LT 1.30 1	ug/l	GFV002
				00	ALKALINITY	1.20 2	ug/l	GE0013
				AX8	Arsenic (filtered)	LT 2.35 0	ug/l	GFX013
				AX8	Arsenic	LT 2.35 0	ug/l	GFX014
				UH11	Atrazine	LT 4.03 0	ug/l	GFK012
				UM25	Atrazine	LT 5.90 0	ug/l	GFV002
				P8	Bicycloheptadiene	LT 5.90 0	ug/l	GPD012
				UM21	Bromodichloromethane	LT 1.00 0	ug/l	GEZ003
				AA88	Benzothiazole	LT 5.00 0	ug/l	GFH013
				UM21	Vinyl Chloride	LT 1.20 1	ug/l	GEZ003
				UM21	Chloroethane	LT 8.00 0	ug/l	GEZ003
				UM21	Benzene	LT 1.00 0	ug/l	GEZ003
				AV8	Benzene	LT 1.05 0	ug/l	GHD005
				GG8	Calcium (filtered)	3.40 4	ug/l	GHH005
				GG8	Calcium	3.43 4	ug/l	GHH006
				UM21	Trichlorofluoromethane	LT 1.00 0	ug/l	GEZ003
				UM21	Carbon Tetrachloride	LT 1.00 0	ug/l	GEZ003
				GG8	Cadmium (filtered)	LT 8.40 0	ug/l	GHH005
				GG8	Cadmium	LT 8.40 0	ug/l	GHH006
				UM21	Methylene Chloride	LT 1.00 0	ug/l	GEZ003
				UM21	Bromomethane	LT 1.40 1	ug/l	GEZ003
				UM21	Chloromethane	LT 1.20 0	ug/l	GEZ003
				UM21	Bromoform	LT 1.10 1	ug/l	GEZ003
				UM21	Chloroform	3.77 0	ug/l	GEZ003
				HH8A	Chloride	4.80 4	ug/l	GFL008
				KK8	Hexachlorocyclopentadiene	LT 4.80 -2	ug/l	GFG016
				UM25	Hexachlorocyclopentadiene	LT 5.40 1	ug/l	GFV002
				UM21	Chlorobenzene	LT 1.00 0	ug/l	GEZ003
				KK8	Chlordane	LT 9.50 -2	ug/l	GFG016
				UM25	Chlordane	LT 3.70 1	ug/l	GFV002
				AA88	p-Chlorophenylmethyl Sulfide	LT 5.69 0	ug/l	GFH013
				UM25	p-Chlorophenylmethyl Sulfide	LT 1.00 1	ug/l	GFV002

Note: Results for some parameters may appear in more than one analytical fraction.

Summary of Analytical Results

Surface Water Samples for Spring 89

Sampling Date	Station Number	Sample Depth (cm)	Sample Type	Method	Analytical Parameters	Results	Units	Sample Number
89117	SW02006	0.2	DTCH	AAA8	p-Chlorophenylmethyl Sulfoxide	LT 1.15	1 ug/l	GFH013
				UM25	p-Chlorophenylmethyl Sulfoxide	LT 1.50	1 ug/l	GFV002
				AAA8	p-Chlorophenylmethyl Sulfone	LT 7.46	0 ug/l	GFH013
				UM25	p-Chlorophenylmethyl Sulfone	LT 5.30	0 ug/l	GFV002
				GG8	Chromium (filtered)	LT 2.40	1 ug/l	GHH005
				GG8	Chromium	LT 2.40	1 ug/l	GHH006
				GG8	Copper (filtered)	LT 2.60	1 ug/l	GHH005
				GG8	Copper	LT 2.60	1 ug/l	GHH006
				TF20	Cyanide	LT 5.00	0 ug/l	GEN013
				AV8	Dibromochloropropane	LT 1.95	-1 ug/l	GFH013
				UM25	Dibromochloropropane	LT 1.20	1 ug/l	GFV002
				UM21	Dibromochloromethane	LT 1.00	0 ug/l	GEZ003
				UM21	1,4-Dichlorobenzene	LT 2.00	0 ug/l	GEZ003
				P8	Dicyclopentadiene	LT 5.00	0 ug/l	GFD012
				UM25	Dicyclopentadiene	LT 5.50	0 ug/l	GFV002
				UH11	Vapona	LT 3.84	-1 ug/l	GFK012
				UM25	Vapona	LT 8.50	0 ug/l	GFV002
				AT8	Diisopropylmethyl Phosphonate	LT 3.92	-1 ug/l	GFP013
				UM25	Diisopropylmethyl Phosphonate	LT 2.10	1 ug/l	GFV002
				AAA8	Dithiane	LT 1.34	0 ug/l	GFH013
				UM25	Dithiane	LT 3.30	0 ug/l	GFV002
				KK8	Dieldrin	LT 5.00	-2 ug/l	GFG016
				UM25	Dieldrin	LT 2.60	1 ug/l	GFV002
				AAA8	Dimethyldisulfide	LT 5.50	-1 ug/l	GFH013
				UM21	Acetone	LT 8.00	0 ug/l	GEZ003
				AT8	Dimethylmethyl Phosphate	2.54	0 ug/l	GFP013
				UM25	Dimethylmethyl Phosphate	LT 1.30	2 ug/l	GFV002
				KK8	Endrin	LT 5.00	-2 ug/l	GFG016
				UM25	Endrin	LT 1.80	1 ug/l	GFV002
				UM21	Ethylbenzene	LT 1.00	0 ug/l	GEZ003
				AV8	Ethylbenzene	LT 1.37	0 ug/l	GHD005
				HH8A	Fluoride	1.23	3 ug/l	GFL008
				CC8	Mercury (filtered)	1.03	-1 ug/l	GGW015
				CC8	Mercury	1.33	-1 ug/l	GGW016

Note: Results for some parameters may appear in more than one analytical fraction.

Summary of Analytical Results

Surface Water Samples for Spring 89

Sampling Date	Station Number	Sample Depth (cm)	Sample Type	Method	Analytical Parameters	Results	Units	Sample Number
89117	SW02006	0.2	DTCH	KK8	Isodrin	LT 5.10 -2	ug/l	GFG016
				UM25	Isodrin	LT 7.80 0	ug/l	GFV002
				GG8	Potassium (filtered)	2.35 3	ug/l	GHH005
				GG8	Potassium	2.46 3	ug/l	GHH006
				UM21	Toluene	LT 1.00 0	ug/l	GEZ003
				AV8	Toluene	LT 1.47 0	ug/l	GHD005
				UM21	Methylethyl Ketone	LT 1.00 1	ug/l	GEZ003
				GG8	Magnesium (filtered)	1.48 4	ug/l	GHH005
				GG8	Magnesium	1.48 4	ug/l	GHH006
				UM21	Methylisobutyl Ketone	LT 1.40 0	ug/l	GEZ003
				P8	Methylisobutyl Ketone	LT 4.90 0	ug/l	GFD012
				UH11	Malathion	LT 3.73 -1	ug/l	GFK012
				UM25	Malathion	LT 2.10 1	ug/l	GFV002
				GG8	Sodium (filtered)	6.82 4	ug/l	GHH005
				GG8	Sodium	6.95 4	ug/l	GHH006
				LL8	Nitrite,Nitrate - Non specific	1.70 2	ug/l	GCL029
				AA88	1,4-Oxathiane	LT 2.38 0	ug/l	GFH013
				UM25	1,4-Oxathiane	LT 2.70 1	ug/l	GFV002
				GG8	Lead (filtered)	LT 7.40 1	ug/l	GHH005
				GG8	Lead	LT 7.40 1	ug/l	GHH006
				KK8	Dichlorodiphenylethane	LT 5.40 -2	ug/l	GFG016
				UM25	Dichlorodiphenylethane	LT 1.40 1	ug/l	GFV002
				KK8	Dichlorodiphenyltrichloroethane	LT 4.90 -2	ug/l	GFG016
				UM25	Dichlorodiphenyltrichloroethane	LT 1.80 1	ug/l	GFV002
				UH11	Parathion	LT 6.47 -1	ug/l	GFK012
				UM25	Parathion	LT 3.70 1	ug/l	GFV002
				HH8A	Sulfate	8.90 4	ug/l	GFL008
				UH11	2-Chloro-1(2,4-Dichlorophenyl) Vinyl-diethyl Phosphates	LT 7.87 -1	ug/l	GFK012
				UM25	2-Chloro-1(2,4-Dichlorophenyl) Vinyl-diethyl Phosphates	LT 1.90 1	ug/l	GFV002
				UM21	1,1,2,2-Tetrachloroethane	LT 1.50 0	ug/l	GEZ003

Note: Results for some parameters may appear in more than one analytical fraction.

Summary of Analytical Results

Surface Water Samples for Spring 89

Sampling Date	Station Number	Sample Depth (cm)	Sample Type	Method	Analytical Parameters	Results	Units	Sample Number
89117	SW02006	0.2	DTCH	UM21	Tetrachloroethene	LT 1.00 0	ug/l	GEZ003
				UM21	Trichloroethene	LT 1.00 0	ug/l	GEZ003
				UM21	Ortho- & Para-Xylene	LT 2.00 0	ug/l	GEZ003
				AV8	Ortho- & Para-Xylene	LT 1.36 0	ug/l	GHD005
				GG8	Zinc (filtered)	LT 2.20 1	ug/l	GHH005
				GG8	Zinc	LT 2.20 1	ug/l	GHH006
89118	SW02006	0.2	DTCH	N8	1,1,1-Trichloroethane	LT 7.60 -1	ug/l	GHE005
				N8	1,1,2-Trichloroethane	LT 7.60 -1	ug/l	GHE005
				N8	1,1-Dichloroethene	LT 1.70 0	ug/l	GHE005
				N8	1,1-Dichloroethane	LT 7.30 -1	ug/l	GHE005
				N8	1,2-Dichloroethene	LT 7.60 -1	ug/l	GHE005
				N8	1,2-Dichloroethane	LT 1.10 0	ug/l	GHE005
				N8	Carbon Tetrachloride	LT 9.90 -1	ug/l	GHE005
				N8	Methylene Chloride	LT 7.40 0	ug/l	GHE005
				N8	Chloroform	4.33 0	ug/l	GHE005
				N8	Chlorobenzene	LT 6.20 -1	ug/l	GHE005
				N8	Tetrachloroethene	LT 7.50 -1	ug/l	GHE005
				N8	Trichloroethene	LT 5.60 -1	ug/l	GHE005
89117	SW02006B	.20	DTCH	LH15	Atrazine	6.23 0	ug/l	GFR010
				LH15	Vapona	LT 6.00 -2	ug/l	GFR010
				LH15	Malathion	LT 1.26 -1	ug/l	GFR010
				LH15	Parathion	LT 1.59 -1	ug/l	GFR010
				LH15	2-Chloro-1(2,4-Dichlorophenyl) Vinyl-diethyl Phosphates	LT 1.48 -1	ug/l	GFR010
89117	SW02006B	0.2	DTCH	NN9	1,1,1-Trichloroethane	LT 8.80 -2	ug/l	GFS010
				NN9	1,1,2-Trichloroethane	LT 2.60 -1	ug/l	GFS010
				NN9	1,1-Dichloroethene	LT 2.40 -1	ug/l	GFS010
				NN9	1,1-Dichloroethane	LT 7.40 -2	ug/l	GFS010
				NN9	1,2-Dichloroethene	LT 2.60 -1	ug/l	GFS010
				NN9	1,2-Dichloroethane	LT 6.50 -2	ug/l	GFS010
				AA9	m-Xylene	LT 2.60 -1	ug/l	GFT010
				B9	Arsenic	LT 2.50 0	ug/l	GDM026

Note: Results for some parameters may appear in more than one analytical fraction.

Summary of Analytical Results

Surface Water Samples for Spring 89

Sampling Date	Station Number	Sample Depth (cm)	Sample Type	Method	Analytical Parameters	Results	Units	Sample Number
89117	SW02006B	0.2	DTCH	ZZ9	Bicycloheptadiene	LT 5.08	0 ug/l	IKY016
				AA9	Benzene	LT 8.50	-2 ug/l	GFT010
				NN9	Carbon Tetrachloride	LT 1.20	-1 ug/l	GFS010
				NN9	Methylene Chloride	LT 3.70	0 ug/l	GFS010
				NN9	Chloroform	LT 6.80	-2 ug/l	GFS010
				NN9	Chlorobenzene	LT 2.00	-1 ug/l	GFS010
				S9	Dibromochloropropane	2.01	-2 ug/l	GFB012
				ZZ9	Dicyclopentadiene	LT 5.12	0 ug/l	IKY016
				TT9	Diisopropylmethyl Phosphonate	LT 1.14	-1 ug/l	KSU018
				TT9	Dimethylmethyl Phosphate	LT 1.33	-1 ug/l	KSU018
				AA9	Ethylbenzene	LT 1.60	-1 ug/l	GFT010
				AAA9	Fluoroacetic Acid	LT 2.00	0 ug/l	KRS018
				Y9	Mercury	8.00	0 ug/l	GDL026
				AAA9	Isopropylmethyl Phosphonic Acid	LT 2.11	0 ug/l	KRS018
				AA9	Toluene	LT 1.90	-1 ug/l	GFT010
				ZZ9	Methylisobutyl Ketone	LT 5.24	0 ug/l	IKY016
				NN9	Tetrachloroethene	LT 2.70	-1 ug/l	GFS010
				NN9	Trichloroethene	LT 1.40	-1 ug/l	GFS010
				AA9	Ortho- & Para-Xylene	LT 3.90	-1 ug/l	GFT010
89117	SW02006B	2.0	DTCH	P9	Cadmium	LT 7.40	-1 ug/l	GDK027
				P9	Chromium	1.37	1 ug/l	GDK027
				P9	Copper	7.88	1 ug/l	GDK027
				P9	Lead	7.47	1 ug/l	GDK027
				P9	Zinc	1.59	2 ug/l	GDK027
89135	SW04001ST	0.2	DTCH	N8	1,1,1-Trichloroethane	LT 7.60	-1 ug/l	GKN010
				N8	1,1,2-Trichloroethane	LT 7.80	-1 ug/l	GKN010
				N8	1,1-Dichloroethene	LT 1.70	0 ug/l	GKN010
				N8	1,1-Dichloroethane	LT 7.30	-1 ug/l	GKN010
				N8	1,2-Dichloroethene	LT 7.60	-1 ug/l	GKN010
				N8	1,2-Dichloroethane	LT 1.10	0 ug/l	GKN010
				AV8	m-Xylene	LT 1.32	0 ug/l	GK0010
				KK8	Aldrin	LT 5.00	-2 ug/l	GKK007

Note: Results for some parameters may appear in more than one analytical fraction.

Summary of Analytical Results

Surface Water Samples for Spring 89

Sampling Date	Station Number	Sample Depth (cm)	Sample Type	Method	Analytical Parameters	Results	Units	Sample Number
89135	SW04001ST	0.2	DTCH	UM25	Aldrin	LT 1.30	1 ug/l	GKW004
				00	ALKALINITY	2.29	1 ug/l	GMK008
				AX8	Arsenic (filtered)	LT 2.35	0 ug/l	GKS016
				UH11	Atrazine	LT 4.03	0 ug/l	GKM007
				UM25	Atrazine	LT 5.90	0 ug/l	GKW004
				P6	Bicycloheptadiene	LT 5.90	0 ug/l	GKQ012
				AAA8	Benothiazole	LT 5.00	0 ug/l	GKJ007
				AV8	Benzene	LT 1.05	0 ug/l	GK0010
				GG8	Calcium (filtered)	6.21	3 ug/l	GKR013
				N8	Carbon Tetrachloride	LT 9.90	-1 ug/l	GKN010
				GG8	Cadmium (filtered)	LT 8.40	0 ug/l	GKR013
				N8	Methylene Chloride	LT 7.40	0 ug/l	GKN010
				N8	Chloroform	LT 5.00	-1 ug/l	GKN010
				HH8A	Chloride	1.26	3 ug/l	GKP015
				KK8	Hexachlorocyclopentadiene	LT 4.80	-2 ug/l	GKK007
				UM25	Hexachlorocyclopentadiene	LT 5.40	1 ug/l	GKW004
				N8	Chlorobenzene	LT 8.20	-1 ug/l	GKN010
				KK8	Chlordane	LT 9.50	-2 ug/l	GKK007
				UM25	Chlordane	LT 3.70	1 ug/l	GKW004
				AAA8	p-Chlorophenylmethyl Sulfide	LT 5.69	0 ug/l	GKJ007
				UM25	p-Chlorophenylmethyl Sulfide	LT 1.00	1 ug/l	GKW004
				AAA8	p-Chlorophenylmethyl Sulfoxide	LT 1.15	1 ug/l	GKJ007
				UM25	p-Chlorophenylmethyl Sulfoxide	LT 1.50	1 ug/l	GKW004
				AAA8	p-Chlorophenylmethyl Sulfone	LT 7.46	0 ug/l	GKJ007
				UM25	p-Chlorophenylmethyl Sulfone	LT 5.30	0 ug/l	GKW004
				GG8	Chromium (filtered)	LT 2.40	1 ug/l	GKR013
				GG8	Copper (filtered)	LT 2.60	1 ug/l	GKR013
				TF20	Cyanide	LT 5.00	0 ug/l	GKT010
				AY8	Dibromochloropropane	LT 1.95	-1 ug/l	GKL007
				UM25	Dibromochloropropane	LT 1.20	1 ug/l	GKW004
				P6	Dicyclopentadiene	LT 5.00	0 ug/l	GKQ012
				UM25	Dicyclopentadiene	LT 5.50	0 ug/l	GKW004
				UH11	Vapona	LT 3.84	-1 ug/l	GKM007
				UM25	Vapona	LT 8.50	0 ug/l	GKW004

Note: Results for some parameters may appear in more than one analytical fraction.

Summary of Analytical Results

Surface Water Samples for Spring 89

Sampling Date	Station Number	Sample Depth (cm)	Sample Type	Method	Analytical Parameters	Results	Units	Sample Number
69135	SW04001ST	0.2	DTCH	AT8	Diisopropylmethyl Phosphonate	LT 3.92 -1	ug/l	GKI005
				UM25	Diisopropylmethyl Phosphonate	LT 2.10 1	ug/l	GKW004
				AAA8	Dithiane	LT 1.34 0	ug/l	GKJ007
				UM25	Dithiane	LT 3.30 0	ug/l	GKW004
				KK8	Dieldrin	5.51 -2	ug/l	GKK007
				UM25	Dieldrin	LT 2.60 1	ug/l	GKW004
				AAA8	Dimethyldisulfide	LT 5.50 -1	ug/l	GKJ007
				AT8	Dimethylmethyl Phosphate	LT 1.88 -1	ug/l	GKI005
				UM25	Dimethylmethyl Phosphate	LT 1.30 2	ug/l	GKW004
				KK8	Endrin	LT 5.00 -2	ug/l	GKK007
				UM25	Endrin	LT 1.80 1	ug/l	GKW004
				AV8	Ethylbenzene	LT 1.37 0	ug/l	GKD010
				HH8A	Fluoride	8.07 2	ug/l	GKP015
				CC8	Mercury (filtered)	LT 1.00 -1	ug/l	GML006
				KK8	Isodrin	LT 5.10 -2	ug/l	GKK007
				UM25	Isodrin	LT 7.80 0	ug/l	GKW004
				GG8	Potassium (filtered)	2.93 3	ug/l	GKR013
				AV8	Toluene	LT 1.47 0	ug/l	GKD010
				GG8	Magnesium (filtered)	8.65 2	ug/l	GKR013
				P8	Methylisobutyl Ketone	LT 4.90 0	ug/l	GKQ012
				UH11	Malathion	LT 3.73 -1	ug/l	GKM007
				UM25	Malathion	LT 2.10 1	ug/l	GKW004
				GG8	Sodium (filtered)	1.23 3	ug/l	GKR013
				LL8	Nitrite,Nitrate - Non specific	6.60 2	ug/l	GKV018
				AAA8	1,4-Oxathiane	LT 2.38 0	ug/l	GKJ007
				UM25	1,4-Oxathiane	LT 2.70 -1	ug/l	GKW004
				GG8	Lead (filtered)	LT 7.40 1	ug/l	GKR013
				KK8	Dichlorodiphenylethane	LT 5.40 -2	ug/l	GKK007
				UM25	Dichlorodiphenylethane	LT 1.40 1	ug/l	GKW004
				KK8	Dichlorodiphenyltrichloro-ethane	LT 4.90 -2	ug/l	GKK007
				UM25	Dichlorodiphenyltrichloro-ethane	LT 1.80 1	ug/l	GKW004
				UH11	Parathion	LT 6.47 -1	ug/l	GKM007

Summary of Analytical Results

Surface Water Samples for Spring 89

Sampling Date	Station Number	Sample Depth (cm)	Sample Type	Method	Analytical Parameters	Results	Units	Sample Number
891135	SW04001ST	0.2	DTCH	UM25	Parathion	LT 3.70	1 ug/l	GKW004
				HH8A	Sulfate	3.46	3 ug/l	GKP015
				UH11	2-Chloro-1(2,4-Dichlorophenyl) Vinyl-diethyl Phosphates	LT 7.87	-1 ug/l	GKM007
				UM25	2-Chloro-1(2,4-Dichlorophenyl) Vinyl-diethyl Phosphates	LT 1.90	1 ug/l	GKW004
				N8	Tetrachloroethene	LT 7.50	-1 ug/l	GKN010
				N8	Trichloroethene	LT 5.60	-1 ug/l	GKN010
				AV8	Ortho- & Para-Xylene	LT 1.36	0 ug/l	GKD010
				GG8	Zinc (filtered)	4.37	1 ug/l	GKR013
89117	SW07001	0.1	DTCH	UM21	1,1,1-Trichloroethane	LT 1.00	0 ug/l	GEZ004
				N8	1,1,1-Trichloroethane	LT 7.60	-1 ug/l	GHE006
				UM21	1,1,2-Trichloroethane	LT 1.00	0 ug/l	GEZ004
				N8	1,1,2-Trichloroethane	LT 7.80	-1 ug/l	GHE006
				UM21	1,1-Dichloroethene	LT 1.00	0 ug/l	GEZ004
				N8	1,1-Dichloroethene	LT 1.70	0 ug/l	GHE006
				UM21	1,1-Dichloroethane	LT 1.00	0 ug/l	GEZ004
				N8	1,1-Dichloroethane	LT 7.30	-1 ug/l	GHE006
				UM21	1,2-Dichloroethene	LT 5.00	0 ug/l	GEZ004
				N8	1,2-Dichloroethene	LT 7.60	-1 ug/l	GHE006
				UM21	1,2-Dichloroethane	LT 1.00	0 ug/l	GEZ004
				N8	1,2-Dichloroethane	LT 1.10	0 ug/l	GHE006
				UM21	1,2-Dichloropropane	LT 1.00	0 ug/l	GEZ004
				UM21	1,3-Dichlorobenzene	LT 1.00	0 ug/l	GEZ004
				UM21	1,3-Dichloropropane	LT 4.80	0 ug/l	GEZ004
				UM21	m-Xylene	LT 1.00	0 ug/l	GEZ004
				AV8	m-Xylene	LT 1.32	0 ug/l	GHD006
				UM21	2-Chloroethylvinyl Ether	LT 3.50	0 ug/l	GEZ004
				UM21	Acrylonitrile	LT 8.40	0 ug/l	GEZ004
				KK8	Aldrin	1.52	-1 ug/l	GFG017
				UM25	Aldrin	LT 1.30	1 ug/l	GFV003
				00	ALKALINITY	1.46	2 ug/l	GE0014
				AX8	Arsenic (filtered)	LT 2.35	0 ug/l	GFX015
				AX8	Arsenic	LT 2.35	0 ug/l	GFX016

Note: Results for some parameters may appear in more than one analytical fraction.

Summary of Analytical Results

Surface Water Samples for Spring 89

Sampling Date	Station Number	Sample Depth (cm)	Sample Type	Method	Analytical Parameters	Results	Units	Sample Number
89117	SW07001	0.1	DTCH	UH11	Atrazine	LT 4.03 0	ug/l	GFK013
				UM25	Atrazine	LT 5.90 0	ug/l	GFV003
				P8	Bicycloheptadiene	LT 5.90 0	ug/l	GFD013
				UM21	Bromodichloromethane	LT 1.00 0	ug/l	GEZ004
				AAAB	Benzothiazole	LT 5.00 0	ug/l	GFH014
				UM21	Vinyl Chloride	LT 1.20 1	ug/l	GEZ004
				UM21	Chloroethane	LT 8.00 0	ug/l	GEZ004
				UM21	Benzene	LT 1.00 0	ug/l	GEZ004
				AV8	Benzene	LT 1.05 0	ug/l	GHD006
				GG8	Calcium (filtered)	4.43 4	ug/l	GHH007
				GG8	Calcium	4.59 4	ug/l	GHH008
				UM21	Trichlorofluoromethane	LT 1.00 0	ug/l	GEZ004
				UM21	Carbon Tetrachloride	LT 1.00 0	ug/l	GEZ004
				N8	Carbon Tetrachloride	LT 9.90 -1	ug/l	GHE006
				GG8	Cadmium (filtered)	LT 8.40 0	ug/l	GHH007
				GG8	Cadmium	LT 8.40 0	ug/l	GHH008
				UM21	Methylene Chloride	LT 1.00 0	ug/l	GEZ004
				N8	Methylene Chloride	LT 7.40 0	ug/l	GHE006
				UM21	Bromomethane	LT 1.40 1	ug/l	GEZ004
				UM21	Chloromethane	LT 1.20 0	ug/l	GEZ004
				UM21	Bromoform	LT 1.10 1	ug/l	GEZ004
				UM21	Chloroform	LT 1.00 0	ug/l	GEZ004
				N8	Chloroform	LT 5.00 -1	ug/l	GHE006
				HH8A	Chloride	5.30 4	ug/l	GFL009
				KK8	Hexachlorocyclopentadiene	7.17 -2	ug/l	GFG017
				UM25	Hexachlorocyclopentadiene	LT 5.40 1	ug/l	GFV003
				UM21	Chlorobenzene	LT 1.00 0	ug/l	GEZ004
				N8	Chlorobenzene	LT 8.20 -1	ug/l	GHE006
				KK8	Chlordane	LT 9.50 -2	ug/l	GFG017
				UM25	Chlordane	LT 3.70 1	ug/l	GFV003
				AAAB	p-Chlorophenylmethyl Sulfide	LT 5.69 0	ug/l	GFH014
				UM25	p-Chlorophenylmethyl Sulfide	LT 1.00 1	ug/l	GFV003
				AAAB	p-Chlorophenylmethyl Sulfoxide	LT 1.15 1	ug/l	GFH014
				UM25	p-Chlorophenylmethyl Sulfoxide	LT 1.50 1	ug/l	GFV003

Note: Results for some parameters may appear in more than one analytical fraction.

Summary of Analytical Results

Surface Water Samples for Spring 89

Sampling Date	Station Number	Sample Depth (cm)	Sample Type	Method	Analytical Parameters	Results	Units	Sample Number
891117	SW07001	0.1	DTCH	AAAB	p-Chlorophenylmethyl Sulfone	LT 7.46 0	ug/l	GFH014
				UM25	p-Chlorophenylmethyl Sulfone	LT 5.30 0	ug/l	GFV003
				GG8	Chromium (filtered)	LT 2.40 1	ug/l	GHH007
				GG8	Chromium	LT 2.40 1	ug/l	GHH008
				GG8	Copper (filtered)	LT 2.60 1	ug/l	GHH007
				GG8	Copper	LT 2.60 1	ug/l	GHH008
				TF20	Cyanide	6.25 0	ug/l	GEN014
				AY8	Dibromochloropropane	LT 1.95 -1	ug/l	GFN014
				UM25	Dibromochloropropane	LT 1.20 1	ug/l	GFV003
				UM21	Dibromochloromethane	LT 1.00 0	ug/l	GEZ004
				UM21	1,4-Dichlorobenzene	LT 2.00 0	ug/l	GEZ004
				P8	Dicyclopentadiene	LT 5.00 0	ug/l	GF0013
				UM25	Dicyclopentadiene	LT 5.50 0	ug/l	GFV003
				UH11	Vapona	1.86 0	ug/l	GFK013
				UM25	Vapona	LT 8.50 0	ug/l	GFV003
				AT8	Diisopropylmethyl Phosphonate	LT 3.92 -1	ug/l	GFP014
				UM25	Diisopropylmethyl Phosphonate	LT 2.10 1	ug/l	GFV003
				AAAB	Dithiane	LT 1.34 0	ug/l	GFH014
				UM25	Dithiane	LT 3.30 0	ug/l	GFV003
				KK8	Dieldrin	7.95 -2	ug/l	GFG017
				UM25	Dieldrin	LT 2.60 1	ug/l	GFV003
				AAAB	Dimethyldisulfide	LT 5.50 -1	ug/l	GFH014
				UM21	Acetone	LT 8.00 0	ug/l	GEZ004
				AT8	Dimethylmethyl Phosphate	2.08 0	ug/l	GFP014
				UM25	Dimethylmethyl Phosphate	LT 1.30 2	ug/l	GFV003
				KK8	Endrin	LT 5.00 -2	ug/l	GFG017
				UM25	Endrin	LT 1.80 1	ug/l	GFV003
				UM21	Ethylbenzene	LT 1.00 0	ug/l	GEZ004
				AV8	Ethylbenzene	LT 1.37 0	ug/l	GHD006
				HH8A	Fluoride	1.63 3	ug/l	GFL009
				CC8	Mercury (filtered)	LT 1.00 -1	ug/l	GGW017
				CC8	Mercury	2.01 -1	ug/l	GGW018
				KK8	Isodrin	1.32 -1	ug/l	GFG017
				UM25	Isodrin	LT 7.80 0	ug/l	GFV003

Note: Results for some parameters may appear in more than one analytical fraction.

Summary of Analytical Results

Surface Water Samples for Spring 89

Sampling Date	Station Number	Sample Depth (cm)	Sample Type	Method	Analytical Parameters	Results	Units	Sample Number
89117	SW07001	0.1	DTCH	GG8	Potassium (filtered)	7.98	3 ug/l	GHH007
				GG8	Potassium	8.24	3 ug/l	GHH008
				UM21	Toluene	LT 1.00	0 ug/l	GEZ004
				AV8	Toluene	LT 1.47	0 ug/l	GHD006
				UM21	Methylethyl Ketone	LT 1.00	1 ug/l	GEZ004
				GG8	Magnesium (filtered)	1.21	4 ug/l	GHH007
				GG8	Magnesium	1.36	4 ug/l	GHH008
				UM21	Methylisobutyl Ketone	LT 1.40	0 ug/l	GEZ004
				P8	Methylisobutyl Ketone	LT 4.90	0 ug/l	GFD013
				UH11	Malathion	LT 3.73	-1 ug/l	GPK013
				UM25	Malathion	LT 2.10	1 ug/l	GFV003
				GG8	Sodium (filtered)	6.65	4 ug/l	GHH007
				GG8	Sodium	6.98	4 ug/l	GHH008
				LL8	Nitrite,Nitrate - Non specific	3.30	3 ug/l	GCL030
				AAA8	1,4-Oxathiane	LT 2.38	0 ug/l	GFH014
				UM25	1,4-Oxathiane	LT 2.70	1 ug/l	GFV003
				GG8	Lead (filtered)	LT 7.40	1 ug/l	GHH007
				GG8	Lead	LT 7.40	1 ug/l	GHH008
				KK8	Dichlorodiphenylethane	2.52	-1 ug/l	GPG017
				UM25	Dichlorodiphenylethane	LT 1.40	1 ug/l	GFV003
				KK8	Dichlorodiphenyltrichloro-ethane	6.38	-2 ug/l	GPG017
				UM25	Dichlorodiphenyltrichloro-ethane	LT 1.80	1 ug/l	GFV003
				UH11	Parathion	LT 6.47	-1 ug/l	GPK013
				UM25	Parathion	LT 3.70	1 ug/l	GFV003
				HH8A	Sulfate	6.60	4 ug/l	GFL009
				UH11	2-Chloro-1(2,4-Dichlorophenyl) Vinyl-diethyl Phosphates	LT 7.87	-1 ug/l	GPK013
				UM25	2-Chloro-1(2,4-Dichlorophenyl) Vinyl-diethyl Phosphates	LT 1.90	1 ug/l	GFV003
				UM21	1,1,2,2-Tetrachloroethane	LT 1.50	0 ug/l	GEZ004
				UM21	Tetrachloroethene	LT 1.00	0 ug/l	GEZ004
				N8	Tetrachloroethene	LT 7.50	-1 ug/l	GHE006

Note: Results for some parameters may appear in more than one analytical fraction.

Summary of Analytical Results

Surface Water Samples for Spring 89

Sampling Date	Station Number	Sample Depth (cm)	Sample Type	Method	Analytical Parameters	Results	Units	Sample Number
89117	SW07001	0.1	DTCH	UM21	Trichloroethene	LT 1.00 0	ug/l	GEZ004
				N8	Trichloroethene	LT 5.60 -1	ug/l	GHE006
				UM21	Ortho- & Para-Xylene	LT 2.00 0	ug/l	GEZ004
				AV8	Ortho- & Para-Xylene	LT 1.36 0	ug/l	GHD006
				GG8	Zinc (filtered)	5.27 1	ug/l	GHH007
				GG8	Zinc	6.88 1	ug/l	GHH008
89117	SW07001B	0.1	DTCH	NN9	1,1,1-Trichloroethane	LT 8.80 -2	ug/l	GFS008
				NN9	1,1,2-Trichloroethane	LT 2.60 -1	ug/l	GFS008
				NN9	1,1-Dichloroethene	LT 2.40 -1	ug/l	GFS008
				NN9	1,1-Dichloroethane	LT 7.40 -2	ug/l	GFS008
				NN9	1,2-Dichloroethene	LT 2.60 -1	ug/l	GFS008
				NN9	1,2-Dichloroethane	LT 8.50 -2	ug/l	GFS008
				AA9	m-Xylene	LT 2.60 -1	ug/l	GFT008
				B9	Arsenic	LT 2.50 0	ug/l	GDM024
				LH15	Atrazine	2.94 0	ug/l	GFR008
				ZZ9	Bicycloheptadiene	LT 5.08 0	ug/l	IKY015
				HH9	Benzothiazole	LT 2.04 0	ug/l	GFA010
				AA9	Benzene	LT 8.50 -2	ug/l	GFT008
				NN9	Carbon Tetrachloride	LT 1.20 -1	ug/l	GFS008
				P9	Cadmium	LT 7.40 -1	ug/l	GDK025
				NN9	Methylene Chloride	LT 3.70 0	ug/l	GFS008
				NN9	Chloroform	LT 6.80 -2	ug/l	GFS008
				NN9	Chlorobenzene	LT 2.00 -1	ug/l	GFS008
				HH9	p-Chlorophenylmethyl Sulfide	LT 4.40 0	ug/l	GFA010
				HH9	p-Chlorophenylmethyl Sulfoxide	LT 4.81 0	ug/l	GFA010
				HH9	p-Chlorophenylmethyl Sulfone	LT 9.01 0	ug/l	GFA010
				P9	Chromium	LT 6.50 0	ug/l	GDK025
				P9	Copper	1.75 1	ug/l	GDK025
				S9	Dibromochloropropane	1.40 -2	ug/l	GFB010
				ZZ9	Dicyclopentadiene	LT 5.12 0	ug/l	IKY015
				LH15	Vapona	LT 8.00 -2	ug/l	GFR008
				TT9	Diisopropylmethyl Phosphonate	LT 1.14 -1	ug/l	KSU017
				HH9	Dithiane	LT 1.45 0	ug/l	GFA010

Note: Results for some parameters may appear in more than one analytical fraction.

Summary of Analytical Results

Surface Water Samples for Spring 89

Sampling Date	Station Number	Sample Depth (cm)	Sample Type	Method	Analytical Parameters	Results	Units	Sample Number
89117	SW07001B	0.1	DTCH	HH9	Dimethyldisulfide	LT 3.12 0	ug/l	GFA010
				TT9	Dimethylmethyl Phosphate	LT 1.33 -1	ug/l	KSU017
				AA9	Ethylbenzene	LT 1.60 -1	ug/l	GFT008
				AAA9	Fluoroacetic Acid	LT 2.00 0	ug/l	KRS017
				Y9	Mercury	LT 5.00 -2	ug/l	GDL024
				AAA9	Isopropylmethyl Phosphonic Acid	LT 2.11 0	ug/l	KRS017
				AA9	Toluene	LT 1.90 -1	ug/l	GFT008
				ZZ9	Methylisobutyl Ketone	LT 5.24 0	ug/l	IKY015
				LH15	Malathion	LT 1.26 -1	ug/l	GFR008
				HH9	1,4-Oxathiane	LT 1.74 0	ug/l	GFA010
				P9	Lead	3.22 1	ug/l	GDK025
				LH15	Parathion	LT 1.59 -1	ug/l	GFR008
				LH15	2-Chloro-1(2,4-Dichlorophenyl) Vinyl-diethyl Phosphates	LT 1.48 -1	ug/l	GFR008
				NN9	Tetrachloroethene	LT 2.70 -1	ug/l	GFS008
				NN9	Trichloroethene	LT 1.40 -1	ug/l	GFS008
				AA9	Ortho- & Para-Xylene	LT 3.90 -1	ug/l	GFT008
				P9	Zinc	6.34 1	ug/l	GDK025
89115	SW08001	0.2	STRM	UM21	1,1,1-Trichloroethane	LT 1.00 0	ug/l	GDX004
				UM21	1,1,2-Trichloroethane	LT 1.00 0	ug/l	GDX004
				UM21	1,1-Dichloroethene	LT 1.00 0	ug/l	GDX004
				UM21	1,1-Dichloroethane	LT 1.00 0	ug/l	GDX004
				UM21	1,2-Dichloroethene	LT 5.00 0	ug/l	GDX004
				UM21	1,2-Dichloroethane	LT 1.00 0	ug/l	GDX004
				UM21	1,2-Dichloropropane	LT 1.00 0	ug/l	GDX004
				UM21	1,3-Dichlorobenzene	LT 1.00 0	ug/l	GDX004
				UM21	1,3-Dichloropropane	LT 4.80 0	ug/l	GDX004
				UM21	m-Xylene	LT 1.00 0	ug/l	GDX004
				AV8	m-Xylene	LT 1.32 0	ug/l	GCS021
				UM21	2-Chloroethylvinyl Ether	LT 3.50 0	ug/l	GDX004
				UM21	Acrylonitrile	LT 6.40 0	ug/l	GDX004
				UM25	Aldrin	LT 1.30 1	ug/l	GDZ004
				KK8	Aldrin	LT 5.00 -2	ug/l	GEG010

Note: Results for some parameters may appear in more than one analytical fraction.

Summary of Analytical Results

Surface Water Samples for Spring 89

Sampling Date	Station Number	Sample Depth (cm)	Sample Type	Method	Analytical Parameters	Results	Units	Sample Number	
89115	SW08001	0.2	STRM	00	ALKALINITY	2.54	2	ug/l	GEO005
				AX8	Arsenic (filtered)	2.61	0	ug/l	GFI013
				AX8	Arsenic	LT 2.35	0	ug/l	GFI014
				UM25	Atrazine	LT 5.90	0	ug/l	GDZ004
				UH11	Atrazine	LT 4.03	0	ug/l	GEJ010
				P6	Bicycloheptadiene	LT 5.90	0	ug/l	GEI010
				UM21	Bromodichloromethane	LT 1.00	0	ug/l	GDX004
				UM21	Vinyl Chloride	LT 1.20	1	ug/l	GDX004
				UM21	Chloroethane	LT 8.00	0	ug/l	GDX004
				UM21	Benzene	LT 1.00	0	ug/l	GDX004
				AV8	Benzene	LT 1.05	0	ug/l	GCS021
				GG8	Calcium (filtered)	8.01	4	ug/l	GEP019
				GG8	Calcium	8.20	4	ug/l	GEP020
				UM21	Trichlorofluoromethane	LT 1.00	0	ug/l	GDX004
				UM21	Carbon Tetrachloride	LT 1.00	0	ug/l	GDX004
				GG8	Cadmium (filtered)	LT 8.40	0	ug/l	GEP019
				GG8	Cadmium	LT 8.40	0	ug/l	GEP020
				UM21	Methylene Chloride	LT 1.00	0	ug/l	GDX004
				UM21	Bromomethane	LT 1.40	1	ug/l	GDX004
				UM21	Chloromethane	LT 1.20	0	ug/l	GDX004
				UM21	Bromoform	LT 1.10	1	ug/l	GDX004
				UM21	Chloroform	LT 1.00	0	ug/l	GDX004
				HH8A	Chloride	3.20	4	ug/l	GCK021
				KK8	Hexachlorocyclopentadiene	LT 4.80	-2	ug/l	GEG010
				UM21	Chlorobenzene	LT 1.00	0	ug/l	GDX004
				UM25	Chlordane	LT 3.70	1	ug/l	GDZ004
				KK8	Chlordane	LT 9.50	-2	ug/l	GEG010
				UM25	p-Chlorophenylmethyl Sulfide	LT 1.00	1	ug/l	GDZ004
				UM25	p-Chlorophenylmethyl Sulfoxide	LT 1.50	1	ug/l	GDZ004
				UM25	p-Chlorophenylmethyl Sulfone	LT 5.30	0	ug/l	GDZ004
				GG8	Chromium (filtered)	LT 2.40	1	ug/l	GEP019
				GG8	Chromium	LT 2.40	1	ug/l	GEP020
				GG8	Copper (filtered)	LT 2.60	1	ug/l	GEP019
				GG8	Copper	LT 2.60	1	ug/l	GEP020

Note: Results for some parameters may appear in more than one analytical fraction.

Summary of Analytical Results

Surface Water Samples for Spring 89

Sampling Date	Station Number	Sample Depth (cm)	Sample Type	Method	Analytical Parameters	Results	Units	Sample Number
89115	SW08001	0.2	STRM	TF20	Cyanide	LT 5.00 0	ug/l	GEN005
				AY8	Dibromochloropropane	LT 1.95 -1	ug/l	GEE010
				UM25	Dibromochloropropane	LT 1.20 1	ug/l	GDZ004
				UM21	Dibromochloromethane	LT 1.00 0	ug/l	GDX004
				UM21	1,4-Dichlorobenzene	LT 2.00 0	ug/l	GDX004
				P8	Dicyclopentadiene	LT 5.00 0	ug/l	GEI010
				UM25	Dicyclopentadiene	LT 5.50 0	ug/l	GDZ004
				UM25	Vapona	LT 8.50 0	ug/l	GDZ004
				UH11	Vapona	7.68 -1	ug/l	GEJ010
				UM25	Diisopropylmethyl Phosphonate	LT 2.10 1	ug/l	GDZ004
				AT8	Diisopropylmethyl Phosphonate	LT 3.92 -1	ug/l	GEH010
				UM25	Dithiane	LT 3.30 0	ug/l	GDZ004
				UM25	Dieldrin	LT 2.60 1	ug/l	GDZ004
				KK8	Dieldrin	LT 5.00 -2	ug/l	GEG010
				UM21	Acetone	LT 8.00 0	ug/l	GDX004
				UM25	Dimethylmethyl Phosphate	LT 1.30 2	ug/l	GDZ004
				AT8	Dimethylmethyl Phosphate	LT 1.88 -1	ug/l	GEH010
				UM25	Endrin	LT 1.80 1	ug/l	GDZ004
				KK8	Endrin	LT 5.00 -2	ug/l	GEG010
				UM21	Ethylbenzene	LT 1.00 0	ug/l	GDX004
				AV8	Ethylbenzene	LT 1.37 0	ug/l	GCS021
				HH8A	Fluoride	1.22 3	ug/l	GCK021
				CC8	Mercury (filtered)	LT 1.00 -1	ug/l	GCM039
				CC8	Mercury	LT 1.00 -1	ug/l	GCM040
				UM25	Isodrin	LT 7.80 0	ug/l	GDZ004
				KK8	Isodrin	LT 5.10 -2	ug/l	GEG010
				GG8	Potassium (filtered)	3.78 3	ug/l	GEP019
				GG8	Potassium	3.64 3	ug/l	GEP020
				UM21	Toluene	LT 1.00 0	ug/l	GDX004
				AV8	Toluene	LT 1.47 0	ug/l	GCS021
				UM21	Methylethyl Ketone	LT 1.00 1	ug/l	GDX004
				GG8	Magnesium (filtered)	1.73 4	ug/l	GEP019
				GG8	Magnesium	1.75 4	ug/l	GEP020
				UM21	Methylisobutyl Ketone	LT 1.40 0	ug/l	GDX004

Summary of Analytical Results

Surface Water Samples for Spring 89

Sampling Date	Station Number	Sample Depth (cm)	Sample Type	Method	Analytical Parameters	Results	Units	Sample Number
89115	SW08001	0.2	STRM	P8	Methylisobutyl Ketone	LT 4.90 0	ug/l	GEI010
				UM25	Malathion	LT 2.10 1	ug/l	GDZ004
				UH11	Malathion	LT 3.73 -1	ug/l	GEJ010
				GG8	Sodium (filtered)	5.62 4	ug/l	GEP019
				GG8	Sodium	5.81 4	ug/l	GEP020
				LL8	Nitrite, Nitrate - Non specific	1.03 2	ug/l	GCL021
				UM25	1,4-Oxathiane	LT 2.70 1	ug/l	GDZ004
				GG8	Lead (filtered)	LT 7.40 1	ug/l	GEP019
				GG8	Lead	LT 7.40 1	ug/l	GEP020
				UM25	Dichlorodiphenylethane	LT 1.40 1	ug/l	GDZ004
				KK8	Dichlorodiphenylethane	LT 5.40 -2	ug/l	GEG010
				UM25	Dichlorodiphenyltrichloroethane	LT 1.80 1	ug/l	GDZ004
				KK8	Dichlorodiphenyltrichloroethane	LT 4.90 -2	ug/l	GEG010
				UM25	Parathion	LT 3.70 1	ug/l	GDZ004
				UH11	Parathion	LT 6.47 -1	ug/l	GEJ010
				HH8A	Sulfate	9.00 4	ug/l	GCK021
				UM25	2-Chloro-1(2,4-Dichlorophenyl) Vinyl-diethyl Phosphates	LT 1.90 1	ug/l	GDZ004
				UH11	2-Chloro-1(2,4-Dichlorophenyl) Vinyl-diethyl Phosphates	LT 7.87 -1	ug/l	GEJ010
				UM21	1,1,2,2-Tetrachloroethane	LT 1.50 0	ug/l	GDX004
				UM21	Tetrachloroethene	LT 1.00 0	ug/l	GDX004
				UM21	Trichloroethene	LT 1.00 0	ug/l	GDX004
				UM21	Ortho- & Para-Xylene	LT 2.00 0	ug/l	GDX004
				AV8	Ortho- & Para-Xylene	LT 1.36 0	ug/l	GCS021
				GG8	Zinc (filtered)	LT 2.20 1	ug/l	GEP019
				GG8	Zinc	LT 2.20 1	ug/l	GEP020
89115	SW08001	5.0	STRM	AAAS	Benzo-thiazole	LT 5.00 0	ug/l	GEF010
				AAAS	p-Chlorophenylmethyl Sulfide	LT 5.69 0	ug/l	GEF010
				AAAS	p-Chlorophenylmethyl Sulfoxide	LT 1.15 1	ug/l	GEF010
				AAAS	p-Chlorophenylmethyl Sulfone	LT 7.46 0	ug/l	GEF010
				AAAS	Dithiane	LT 1.34 0	ug/l	GEF010

Note: Results for some parameters may appear in more than one analytical fraction.

Summary of Analytical Results

Surface Water Samples for Spring 89

Sampling Date	Station Number	Sample Depth (cm)	Sample Type	Method	Analytical Parameters	Results	Units	Sample Number
89115	SW08001	5.0	STRM	AAA8	Dimethyldisulfide	LT 5.50 -1	ug/l	GEF010
				AAA8	1,4-Oxathiane	LT 2.38 0	ug/l	GEF010
89115	SW08001B	0.1	STRM	N9	1,1,1-Trichloroethane	LT 4.30 -1	ug/l	GEQ005
				NN9	1,1,1-Trichloroethane	LT 8.80 -2	ug/l	GDY009
				N9	1,1,2-Trichloroethane	LT 3.90 -1	ug/l	GEQ005
				NN9	1,1,2-Trichloroethane	LT 2.60 -1	ug/l	GDY009
				NN9	1,1-Dichloroethene	LT 2.40 -1	ug/l	GDY009
				N9	1,1-Dichloroethane	LT 1.70 0	ug/l	GEQ005
				NN9	1,1-Dichloroethane	LT 7.40 -2	ug/l	GDY009
				N9	1,2-Dichloroethene	LT 1.70 0	ug/l	GEQ005
				NN9	1,2-Dichloroethene	LT 2.60 -1	ug/l	GDY009
				N9	1,2-Dichloroethane	LT 5.60 -1	ug/l	GEQ005
				NN9	1,2-Dichloroethane	LT 8.50 -2	ug/l	GDY009
				N9	m-Xylene	LT 7.40 -1	ug/l	GEQ005
				AA9	m-Xylene	LT 2.60 -1	ug/l	GDW009
				KK9A	Aldrin	LT 1.90 -3	ug/l	GEB009
				B9	Arsenic	LT 2.50 0	ug/l	GDM014
				LH15	Atrazine	2.29 0	ug/l	GEA009
				N9	Bicycloheptadiene	LT 3.60 -1	ug/l	GEQ005
				ZZ9	Bicycloheptadiene	LT 5.08 0	ug/l	IKY010
				HH9	Benothiazole	LT 2.04 0	ug/l	GEC008
				N9	Benzene	LT 2.50 -1	ug/l	GEQ005
				AA9	Benzene	LT 8.50 -2	ug/l	GDW009
				N9	Carbon Tetrachloride	LT 2.50 -1	ug/l	GEQ005
				NN9	Carbon Tetrachloride	LT 1.20 -1	ug/l	GDY009
				P9	Cadmium	LT 7.40 -1	ug/l	GDK014
				N9	Methylene Chloride	LT 1.50 0	ug/l	GEQ005
				NN9	Methylene Chloride	LT 3.70 0	ug/l	GDY009
				N9	Chloroform	LT 2.90 -1	ug/l	GEQ005
				NN9	Chloroform	LT 6.80 -2	ug/l	GDY009
				KK9A	Hexachlorocyclopentadiene	LT 1.80 -3	ug/l	GEB009
				N9	Chlorobenzene	LT 1.50 0	ug/l	GEQ005
				NN9	Chlorobenzene	LT 2.00 -1	ug/l	GDY009

Note: Results for some parameters may appear in more than one analytical fraction.

Summary of Analytical Results

Surface Water Samples for Spring 89

Sampling Date	Station Number	Sample Depth (cm)	Sample Type	Method	Analytical Parameters	Results	Units	Sample Number
69115	SW08001B	0.1	STRM	KK9A	Chlordane	LT 2.30 -2	ug/l	GEB009
					p-Chlorophenylmethyl Sulfide	LT 4.40 0	ug/l	GEC008
					p-Chlorophenylmethyl Sulfoxide	6.88 0	ug/l	GEC008
					p-Chlorophenylmethyl Sulfone	LT 9.01 0	ug/l	GEC008
					Chromium	LT 6.50 0	ug/l	GDK014
					Copper	LT 4.70 0	ug/l	GDK014
					Dibromochloropropane	LT 5.00 -3	ug/l	GED009
					Dibromochloropropane	LT 2.40 0	ug/l	GEQ005
					Dicyclopentadiene	LT 6.40 -1	ug/l	GEQ005
					Dicyclopentadiene	LT 5.12 0	ug/l	IKY010
					Vapona	LT 8.00 -2	ug/l	GEA009
					Diisopropylmethyl Phosphonate	LT 1.14 -1	ug/l	KSU012
					Dithiane	LT 1.45 0	ug/l	GEC008
					Dieldrin	LT 3.30 -3	ug/l	GEB009
					Dimethyldisulfide	LT 2.00 1	ug/l	GEQ005
					Dimethyldisulfide	LT 3.12 0	ug/l	GEC008
					Dimethylmethyl Phosphate	LT 1.33 -1	ug/l	KSU012
					Endrin	LT 5.80 -3	ug/l	GEB009
					Ethylbenzene	LT 3.80 -1	ug/l	GEQ005
					Ethylbenzene	LT 1.60 -1	ug/l	GDW009
					Fluoroacetic Acid	LT 2.00 0	ug/l	KRS012
					Mercury	LT 5.00 -2	ug/l	GDL014
					Isopropylmethyl Phosphonic Acid	LT 2.11 0	ug/l	KRS012
					Isodrin	LT 1.10 -3	ug/l	GEB009
					Toluene	LT 2.50 -1	ug/l	GEQ005
					Toluene	LT 1.90 -1	ug/l	GDW009
					Methylisobutyl Ketone	LT 7.30 -1	ug/l	GEQ005
					Methylisobutyl Ketone	LT 5.24 0	ug/l	IKY010
					Malathion	LT 1.26 -1	ug/l	GEA009
					1,4-Oxathiane	LT 1.74 0	ug/l	GEC008
					Lead	LT 8.40 0	ug/l	GDK014
					Dichlorodiphenylethane	LT 2.40 -3	ug/l	GEB009
					Dichlorodiphenyltrichloro-ethane	LT 2.00 -3	ug/l	GEB009

Note: Results for some parameters may appear in more than one analytical fraction.

Summary of Analytical Results

Surface Water Samples for Spring 89

Sampling Date	Station Number	Sample Depth (cm)	Sample Type	Method	Analytical Parameters	Results	Units	Sample Number
89115	SW08001B	0.1	STRM	LH15	Parathion	LT 1.59 -1	ug/l	GEA009
				LH15	2-Chloro-1(2,4-Dichlorophenyl) Vinyl-diethyl Phosphates	LT 1.48 -1	ug/l	GEA009
				N9	Tetrachloroethene	LT 2.50 -1	ug/l	GEQ005
				NN9	Tetrachloroethene	LT 2.70 -1	ug/l	GDY009
				N9	Trichloroethene	LT 5.40 -1	ug/l	GEQ005
				NN9	Trichloroethene	LT 1.40 -1	ug/l	GDY009
				N9	Ortho- & Para-Xylene	LT 4.90 0	ug/l	GEQ005
				AA9	Ortho- & Para-Xylene	LT 3.90 -1	ug/l	GDW009
				P9	Zinc	2.24 1	ug/l	GDK014
				AV8	m-Xylene	LT 1.32 0	ug/l	GCS023
				AA9	m-Xylene	LT 2.60 -1	ug/l	GDW010
				KK8	Aldrin	LT 5.00 -2	ug/l	GEG012
				UM25	Aldrin	LT 1.30 1	ug/l	GEK006
89115	SW08003	0.2	STRM	00	ALKALINITY	2.61 2	ug/l	GEQ007
				AX8	Arsenic (filtered)	LT 2.35 0	ug/l	GFI017
				AX8	Arsenic	LT 2.35 0	ug/l	GFI018
				LH15	Atrazine	1.03 1	ug/l	GEA010
				UM25	Atrazine	LT 5.90 0	ug/l	GEK006
				UH11	Atrazine	LT 4.03 0	ug/l	GEJ012
				P8	Bicycloheptadiene	LT 5.90 0	ug/l	GEI012
				ZZ9	Bicycloheptadiene	LT 5.08 0	ug/l	IKY009
				AV8	Benzene	LT 1.05 0	ug/l	GCS023
				AA9	Benzene	LT 8.50 -2	ug/l	GDW010
				GG8	Calcium (filtered)	8.89 4	ug/l	GEP023
				GG8	Calcium	9.15 4	ug/l	GEP024
				GG8	Cadmium (filtered)	LT 8.40 0	ug/l	GEP023
				GG8	Cadmium	LT 8.40 0	ug/l	GEP024
				P9	Cadmium	LT 7.40 -1	ug/l	GDK015
				HH8A	Chloride	3.30 4	ug/l	GCK023
				KK8	Hexachlorocyclopentadiene	LT 4.80 -2	ug/l	GEG012
				UM25	Hexachlorocyclopentadiene	LT 5.40 1	ug/l	GEK006
				KK8	Chlordane	LT 9.50 -2	ug/l	GEG012
				UM25	Chlordane	LT 3.70 1	ug/l	GEK006

Note: Results for some parameters may appear in more than one analytical fraction.

Summary of Analytical Results

Surface Water Samples for Spring 89

Sampling Date	Station Number	Sample Depth (cm)	Sample Type	Method	Analytical Parameters	Results	Units	Sample Number
89115	SW08003	0.2	STRM	UM25	p-Chlorophenylmethyl Sulfide	LT 1.00 1	ug/l	GEK006
				UM25	p-Chlorophenylmethyl Sulfoxide	LT 1.50 1	ug/l	GEK006
				UM25	p-Chlorophenylmethyl Sulfone	LT 5.30 0	ug/l	GEK006
				GG6	Chromium (filtered)	LT 2.40 1	ug/l	GEP023
				GG6	Chromium	LT 2.40 1	ug/l	GEP024
				P9	Chromium	LT 6.50 0	ug/l	GDK015
				GG6	Copper (filtered)	LT 2.60 1	ug/l	GEP023
				GG6	Copper	LT 2.60 1	ug/l	GEP024
				P9	Copper	LT 4.70 0	ug/l	GDK015
				TF20	Cyanide	LT 5.00 0	ug/l	GEN007
				AY6	Dibromochloropropane	LT 1.95 -1	ug/l	GEE012
				S9	Dibromochloropropane	LT 5.00 -3	ug/l	GED010
				UM25	Dibromochloropropane	LT 1.20 1	ug/l	GEK006
				P6	Dicyclopentadiene	LT 5.00 0	ug/l	GEI012
				UM25	Dicyclopentadiene	LT 5.50 0	ug/l	GEK006
				ZZ9	Dicyclopentadiene	LT 5.12 0	ug/l	IKY009
				LH15	Vapona	LT 8.00 -2	ug/l	GEA010
				UM25	Vapona	LT 8.50 0	ug/l	GEK006
				UH11	Vapona	LT 3.84 -1	ug/l	GEJ012
				AT6	Diisopropylmethyl Phosphonate	LT 3.92 -1	ug/l	GEH012
				UM25	Diisopropylmethyl Phosphonate	LT 2.10 1	ug/l	GEK006
				TT9	Diisopropylmethyl Phosphonate	LT 1.14 -1	ug/l	KSU011
				UM25	Dithiane	LT 3.30 0	ug/l	GEK006
				KK6	Dieldrin	LT 5.00 -2	ug/l	GEG012
				UM25	Dieldrin	LT 2.60 1	ug/l	GEK006
				AT6	Dimethylmethyl Phosphate	LT 1.86 -1	ug/l	GEH012
				UM25	Dimethylmethyl Phosphate	LT 1.30 2	ug/l	GEK006
				TT9	Dimethylmethyl Phosphate	LT 1.33 -1	ug/l	KSU011
				KK6	Endrin	LT 5.00 -2	ug/l	GEG012
				UM25	Endrin	LT 1.80 1	ug/l	GEK006
				AV6	Ethylbenzene	LT 1.37 0	ug/l	GCS023
				AA9	Ethylbenzene	LT 1.60 -1	ug/l	GDW010
				HH6A	Fluoride	1.20 3	ug/l	GCK023
				AAA9	Fluoroacetic Acid	9.40 0	ug/l	KRS011

Summary of Analytical Results

Surface Water Samples for Spring 89

Sampling Date	Station Number	Sample Depth (cm)	Sample Type	Method	Analytical Parameters	Results	Units	Sample Number
89115	SW08003	0.2	STRM	CC8	Mercury (filtered)	LT 1.00 -1	ug/l	GCN043
				CC8	Mercury	LT 1.00 -1	ug/l	GCN044
				AAA9	Isopropylmethyl Phosphonic Acid	LT 2.11 0	ug/l	KRS011
				KK8	Isodrin	LT 5.10 -2	ug/l	GEG012
				UM25	Isodrin	LT 7.60 0	ug/l	GEK006
				GG8	Potassium (filtered)	3.78 3	ug/l	GEP023
				GG8	Potassium	3.81 3	ug/l	GEP024
				AV8	Toluene	LT 1.47 0	ug/l	GCS023
				AA9	Toluene	LT 1.90 -1	ug/l	GDW010
				GG8	Magnesium (filtered)	1.88 4	ug/l	GEP023
				GG8	Magnesium	1.88 4	ug/l	GEP024
				P8	Methylisobutyl Ketone	LT 4.90 0	ug/l	GEI012
				ZZ9	Methylisobutyl Ketone	LT 5.24 0	ug/l	IKY009
				LH15	Malathion	LT 1.26 -1	ug/l	GEA010
				UM25	Malathion	LT 2.10 1	ug/l	GEK006
				UH11	Malathion	LT 3.73 -1	ug/l	GEJ012
				GG8	Sodium (filtered)	6.19 4	ug/l	GEP023
				GG8	Sodium	6.34 4	ug/l	GEP024
				UM25	1,4-Oxathiane	LT 2.70 1	ug/l	GEK006
				GG8	Lead (filtered)	LT 7.40 1	ug/l	GEP023
				GG8	Lead	LT 7.40 1	ug/l	GEP024
				P9	Lead	LT 8.40 0	ug/l	GDK015
				KK8	Dichlorodiphenylethane	LT 5.40 -2	ug/l	GEG012
				UM25	Dichlorodiphenylethane	LT 1.40 1	ug/l	GEK006
				KK8	Dichlorodiphenyltrichloro-ethane	LT 4.90 -2	ug/l	GEG012
				UM25	Dichlorodiphenyltrichloro-ethane	LT 1.80 1	ug/l	GEK006
				LH15	Parathion	LT 1.59 -1	ug/l	GEA010
				UM25	Parathion	LT 3.70 1	ug/l	GEK006
				UH11	Parathion	LT 6.47 -1	ug/l	GEJ012
				HH8A	Sulfate	9.40 4	ug/l	GCK023
				LH15	2-Chloro-1(2,4-Dichlorophenyl) Vinyl-diethyl Phosphates	LT 1.48 -1	ug/l	GEA010

Note: Results for some parameters may appear in more than one analytical fraction.

Summary of Analytical Results

Surface Water Samples for Spring 89

Sampling Date	Station Number	Sample Depth (cm)	Sample Type	Method	Analytical Parameters	Results	Units	Sample Number
89115	SW08003	0.2	STRM	UM25	2-Chloro-1(2,4-Dichlorophenyl) Vinyl-diethyl Phosphates	LT 1.90 1	ug/l	GEK006
				UH11	2-Chloro-1(2,4-Dichlorophenyl) Vinyl-diethyl Phosphates	LT 7.87 -1	ug/l	GEJ012
				AV8	Ortho- & Para-Xylene	LT 1.36 0	ug/l	GCS023
				AA9	Ortho- & Para-Xylene	LT 3.90 -1	ug/l	GDW010
				GG8	Zinc (filtered)	LT 2.20 1	ug/l	GEP023
				GG8	Zinc	LT 2.20 1	ug/l	GEP024
				P9	Zinc	LT 8.70 0	ug/l	GDK015
89115	SW08003	5.0	STRM	AAA8	Benzothiazole	LT 5.00 0	ug/l	GEF012
				AAA8	p-Chlorophenylmethyl Sulfide	LT 5.69 0	ug/l	GEF012
				AAA8	p-Chlorophenylmethyl Sulfoxide	LT 1.15 1	ug/l	GEF012
				AAA8	p-Chlorophenylmethyl Sulfone	LT 7.46 0	ug/l	GEF012
				AAA8	Dithiane	LT 1.34 0	ug/l	GEF012
89115	SW08003B	0.2	STRM	AAA8	Dimethyldisulfide	LT 5.50 -1	ug/l	GEF012
				AAA8	1,4-Oxathiane	LT 2.38 0	ug/l	GEF012
89117	SW08003	0.1	STRM	LL8	Nitrite,Nitrate - Non specific	2.80 2	ug/l	GCL028
89115	SW08003B	0.2	STRM	N9	1,1,1-Trichloroethane	LT 4.30 -1	ug/l	GEQ006
				NN9	1,1,1-Trichloroethane	LT 8.80 -2	ug/l	GDY010
				N9	1,1,2-Trichloroethane	LT 3.90 -1	ug/l	GEQ006
				NN9	1,1,2-Trichloroethane	LT 2.60 -1	ug/l	GDY010
				NN9	1,1-Dichloroethene	LT 2.40 -1	ug/l	GDY010
				N9	1,1-Dichloroethane	LT 1.70 0	ug/l	GEQ006
				NN9	1,1-Dichloroethane	LT 7.40 -2	ug/l	GDY010
				N9	1,2-Dichloroethene	LT 1.70 0	ug/l	GEQ006
				NN9	1,2-Dichloroethene	LT 2.60 -1	ug/l	GDY010
				N9	1,2-Dichloroethane	LT 5.60 -1	ug/l	GEQ006
				NN9	1,2-Dichloroethane	LT 8.50 -2	ug/l	GDY010
				N9	m-Xylene	LT 7.40 -1	ug/l	GEQ006
				KK9A	Aldrin	LT 1.90 -3	ug/l	GEB010
				B9	Arsenic	LT 2.50 0	ug/l	GDM015
				N9	Bicycloheptadiene	LT 3.60 -1	ug/l	GEQ006

Note: Results for some parameters may appear in more than one analytical fraction.

Summary of Analytical Results

Surface Water Samples for Spring 89

Sampling Date	Station Number	Sample Depth (cm)	Sample Type	Method	Analytical Parameters	Results	Units	Sample Number
891115	SW08003B	0.2	STRM	HH9	Benzothiazole	LT 2.04 0	ug/l	GEC009
				N9	Benzene	LT 2.50 -1	ug/l	GEQ006
				N9	Carbon Tetrachloride	LT 2.50 -1	ug/l	GEQ006
				NN9	Carbon Tetrachloride	LT 1.20 -1	ug/l	GDY010
				N9	Methylene Chloride	8.70 0	ug/l	GEQ006
				NN9	Methylene Chloride	LT 3.70 0	ug/l	GDY010
				N9	Chloroform	LT 2.90 -1	ug/l	GEQ006
				NN9	Chloroform	LT 6.80 -2	ug/l	GDY010
				KK9A	Hexachlorocyclopentadiene	LT 1.80 -3	ug/l	GEB010
				N9	Chlorobenzene	LT 1.50 0	ug/l	GEQ006
				NN9	Chlorobenzene	LT 2.00 -1	ug/l	GDY010
				KK9A	Chlordane	LT 2.30 -2	ug/l	GEB010
				HH9	p-Chlorophenylmethyl Sulfide	LT 4.40 0	ug/l	GEC009
				HH9	p-Chlorophenylmethyl Sulfoxide	LT 4.81 0	ug/l	GEC009
				HH9	p-Chlorophenylmethyl Sulfone	LT 9.01 0	ug/l	GEC009
				N9	Dibromochloropropane	LT 2.40 0	ug/l	GEQ006
				N9	Dicyclopentadiene	LT 6.40 -1	ug/l	GEQ006
				HH9	Dithiane	LT 1.45 0	ug/l	GEC009
				KK9A	Dieldrin	LT 3.30 -3	ug/l	GEB010
				N9	Dimethyldisulfide	LT 2.00 1	ug/l	GEQ006
				HH9	Dimethyldisulfide	LT 3.12 0	ug/l	GEC009
				KK9A	Endrin	LT 5.60 -3	ug/l	GEB010
				N9	Ethylbenzene	LT 3.60 -1	ug/l	GEQ006
				Y9	Mercury	LT 5.00 -2	ug/l	GDLO15
				KK9A	Isodrin	LT 1.10 -3	ug/l	GEB010
				N9	Toluene	LT 2.50 -1	ug/l	GEQ006
				N9	Methylisobutyl Ketone	LT 7.30 -1	ug/l	GEQ006
				HH9	1,4-Oxathiane	LT 1.74 0	ug/l	GEC009
				KK9A	Dichlorodiphenylethane	LT 2.40 -3	ug/l	GEB010
				KK9A	Dichlorodiphenyltrichloroethane	LT 2.00 -3	ug/l	GEB010
				N9	Tetrachloroethene	LT 2.50 -1	ug/l	GEQ006
				NN9	Tetrachloroethene	LT 2.70 -1	ug/l	GDY010
				N9	Trichloroethene	LT 5.40 -1	ug/l	GEQ006

Note: Results for some parameters may appear in more than one analytical fraction.

Summary of Analytical Results

Surface Water Samples for Spring 89

Sampling Date	Station Number	Sample Depth (cm)	Sample Type	Method	Analytical Parameters	Results	Units	Sample Number
89115	SW08003B	0.2	STRM	NN9	Trichloroethene	LT 1.40 -1	ug/l	GDY010
				N9	Ortho- & Para-Xylene	LT 4.90 0	ug/l	GEQ006
89134	SW08003ST	0.2	STRM	N8	1,1,1-Trichloroethane	LT 7.60 -1	ug/l	GJU014
				UM21	1,1,1-Trichloroethane	LT 1.00 0	ug/l	GLL004
				N8	1,1,2-Trichloroethane	LT 7.60 -1	ug/l	GJU014
				UM21	1,1,2-Trichloroethane	LT 1.00 0	ug/l	GLL004
				N8	1,1-Dichloroethene	LT 1.70 0	ug/l	GJU014
				UM21	1,1-Dichloroethene	LT 1.00 0	ug/l	GLL004
				N8	1,1-Dichloroethane	LT 7.30 -1	ug/l	GJU014
				UM21	1,1-Dichloroethane	LT 1.00 0	ug/l	GLL004
				N8	1,2-Dichloroethene	LT 7.60 -1	ug/l	GJU014
				UM21	1,2-Dichloroethene	LT 5.00 0	ug/l	GLL004
				N8	1,2-Dichloroethane	LT 1.10 0	ug/l	GJU014
				UM21	1,2-Dichloroethane	LT 1.00 0	ug/l	GLL004
				UM21	1,2-Dichloropropane	LT 1.00 0	ug/l	GLL004
				UM21	1,3-Dichlorobenzene	LT 1.00 0	ug/l	GLL004
				UM21	1,3-Dichloropropane	LT 4.80 0	ug/l	GLL004
				AV8	m-Xylene	LT 1.32 0	ug/l	GJT014
				UM21	m-Xylene	LT 1.00 0	ug/l	GLL004
				UM21	2-Chloroethylvinyl Ether	LT 3.50 0	ug/l	GLL004
				UM21	Acrylonitrile	LT 8.40 0	ug/l	GLL004
				KK8	Aldrin	LT 5.00 -2	ug/l	GJV007
				UM25	Aldrin	LT 1.30 1	ug/l	GKW002
				00	ALKALINITY	1.03 2	ug/l	GMK005
				AX8	Arsenic	LT 2.35 0	ug/l	GKF021
				UH11	Atrazine	LT 4.03 0	ug/l	GJX007
				UM25	Atrazine	LT 5.90 0	ug/l	GKW002
				P8	Bicycloheptadiene	LT 5.90 0	ug/l	GKC012
				UM21	Bromodichloromethane	LT 1.00 0	ug/l	GLL004
				AAA8	Benzothiazole	LT 5.00 0	ug/l	GJY007
				UM21	Vinyl Chloride	LT 1.20 1	ug/l	GLL004
				UM21	Chloroethane	LT 8.00 0	ug/l	GLL004
				AV8	Benzene	LT 1.05 0	ug/l	GJT014

Note: Results for some parameters may appear in more than one analytical fraction.

Summary of Analytical Results

Surface Water Samples for Spring 89

Sampling Date	Station Number	Sample Depth (cm)	Sample Type	Method	Analytical Parameters	Results	Units	Sample Number
89134	SW08003ST	0.2	STRM	UM21	Benzene	LT 1.00 0	ug/l	GLL004
				GG8	Calcium (filtered)	3.02 4	ug/l	GKB013
				UM21	Trichlorofluoromethane	LT 1.00 0	ug/l	GLL004
				N8	Carbon Tetrachloride	LT 9.90 -1	ug/l	GJU014
				UM21	Carbon Tetrachloride	LT 1.00 0	ug/l	GLL004
				GG8	Cadmium (filtered)	LT 8.40 0	ug/l	GKB013
				N8	Methylene Chloride	LT 7.40 0	ug/l	GJU014
				UM21	Methylene Chloride	LT 1.00 0	ug/l	GLL004
				UM21	Bromomethane	LT 1.40 1	ug/l	GLL004
				UM21	Chloromethane	LT 1.20 0	ug/l	GLL004
				UM21	Bromoform	LT 1.10 1	ug/l	GLL004
				N8	Chloroform	LT 5.00 -1	ug/l	GJU014
				UM21	Chloroform	LT 1.00 0	ug/l	GLL004
				HH8A	Chloride	1.30 4	ug/l	GKH019
				KK8	Hexachlorocyclopentadiene	LT 4.80 -2	ug/l	GJV007
				UM25	Hexachlorocyclopentadiene	LT 5.40 1	ug/l	GKW002
				N8	Chlorobenzene	LT 8.20 -1	ug/l	GJU014
				UM21	Chlorobenzene	LT 1.00 0	ug/l	GLL004
				KK8	Chlordane	LT 9.50 -2	ug/l	GJV007
				UM25	Chlordane	LT 3.70 1	ug/l	GKW002
				AA88	p-Chlorophenylmethyl Sulfide	LT 5.69 0	ug/l	GJY007
				UM25	p-Chlorophenylmethyl Sulfide	LT 1.00 1	ug/l	GKW002
				AA88	p-Chlorophenylmethyl Sulfoxide	LT 1.15 1	ug/l	GJY007
				UM25	p-Chlorophenylmethyl Sulfoxide	LT 1.50 1	ug/l	GKW002
				AA88	p-Chlorophenylmethyl Sulfone	LT 7.46 0	ug/l	GJY007
				UM25	p-Chlorophenylmethyl Sulfone	LT 5.30 0	ug/l	GKW002
				GG8	Chromium (filtered)	LT 2.40 1	ug/l	GKB013
				GG8	Copper (filtered)	LT 2.60 1	ug/l	GKB013
				TF20	Cyanide	LT 5.00 0	ug/l	GKE005
				AY8	Dibromochloropropane	2.41 -1	ug/l	GJW007
				UM25	Dibromochloropropane	LT 1.20 1	ug/l	GKW002
				UM21	Dibromochloromethane	LT 1.00 0	ug/l	GLL004
				UM21	1,4-Dichlorobenzene	LT 2.00 0	ug/l	GLL004
				P8	Dicyclopentadiene	LT 5.00 0	ug/l	GKC012

Summary of Analytical Results

Surface Water Samples for Spring 89

Sampling Date	Station Number	Sample Depth (cm)	Sample Type	Method	Analytical Parameters	Results	Units	Sample Number
89134	SW08003ST	0.2	STRM	UM25	Dicyclopentadiene	LT 5.50	0 ug/l	GKW002
				UH11	Vapona	LT 3.64	-1 ug/l	GJX007
				UM25	Vapona	LT 8.50	0 ug/l	GKW002
				AT8	Diisopropylmethyl Phosphonate	LT 3.92	-1 ug/l	GJZ015
				UM25	Diisopropylmethyl Phosphonate	LT 2.10	1 ug/l	GKW002
				AAA8	Dithiane	LT 1.34	0 ug/l	GJY007
				UM25	Dithiane	LT 3.30	0 ug/l	GKW002
				KK8	Dieldrin	LT 5.00	-2 ug/l	GJV007
				UM25	Dieldrin	LT 2.60	1 ug/l	GKW002
				AAA8	Dimethyldisulfide	LT 5.50	-1 ug/l	GJY007
				AT8	Dimethylmethyl Phosphate	LT 1.88	-1 ug/l	GJZ015
				UM25	Dimethylmethyl Phosphate	LT 1.30	2 ug/l	GKW002
				KK8	Endrin	LT 5.00	-2 ug/l	GJV007
				UM25	Endrin	LT 1.80	1 ug/l	GKW002
				AV8	Ethylbenzene	LT 1.37	0 ug/l	GJT014
				UM21	Ethylbenzene	LT 1.00	0 ug/l	GLL004
				HH8A	Fluoride	LT 4.82	2 ug/l	GKH019
				CC8	Mercury (filtered)	LT 1.00	-1 ug/l	GKG030
				KK8	Isodrin	LT 5.10	-2 ug/l	GJV007
				UM25	Isodrin	LT 7.80	0 ug/l	GKW002
				GG8	Potassium (filtered)	2.70	3 ug/l	GKB013
				AV8	Toluene	LT 1.47	0 ug/l	GJT014
				UM21	Toluene	LT 1.00	0 ug/l	GLL004
				UM21	Methylethyl Ketone	LT 1.00	1 ug/l	GLL004
				GG8	Magnesium (filtered)	6.21	3 ug/l	GKB013
				P8	Methylisobutyl Ketone	LT 4.90	0 ug/l	GKC012
				UM21	Methylisobutyl Ketone	LT 1.40	0 ug/l	GLL004
				UH11	Malathion	LT 3.73	-1 ug/l	GJX007
				UM25	Malathion	LT 2.10	1 ug/l	GKW002
				GG8	Sodium (filtered)	2.49	4 ug/l	GKB013
				LL8	Nitrite,Nitrate - Non specific	4.10	2 ug/l	GKD038
				AAA8	1,4-Oxathiane	LT 2.38	0 ug/l	GJY007
				UM25	1,4-Oxathiane	LT 2.70	1 ug/l	GKW002
				GG8	Lead (filtered)	LT 7.40	1 ug/l	GKB013

Note: Results for some parameters may appear in more than one analytical fraction.

Summary of Analytical Results

Surface Water Samples for Spring 89

Sampling Date	Station Number	Sample Depth (cm)	Sample Type	Method	Analytical Parameters	Results	Units	Sample Number
89134	SW08003ST	0.2	STRM	KK8	Dichlorodiphenylethane	LT 5.40 -2	ug/l	GJV007
					UM25 Dichlorodiphenylethane	LT 1.40 1	ug/l	GKW002
					KK8 Dichlorodiphenyltrichloroethane	LT 4.90 -2	ug/l	GJV007
					UM25 Dichlorodiphenyltrichloroethane	LT 1.80 1	ug/l	GKW002
					UH11 Parathion	LT 6.47 -1	ug/l	GJX007
					UM25 Parathion	LT 3.70 1	ug/l	GKW002
					HH8A Sulfate	3.10 4	ug/l	GKH019
					UH11 2-Chloro-1(2,4-Dichlorophenyl) Vinyl-diethyl Phosphates	LT 7.87 -1	ug/l	GJX007
					UM25 2-Chloro-1(2,4-Dichlorophenyl) Vinyl-diethyl Phosphates	LT 1.90 1	ug/l	GKW002
					UM21 1,1,2,2-Tetrachloroethane	LT 1.50 0	ug/l	GLL004
					N8 Tetrachloroethene	LT 7.50 -1	ug/l	GJU014
					UM21 Tetrachloroethene	LT 1.00 0	ug/l	GLL004
					N8 Trichloroethene	LT 5.60 -1	ug/l	GJU014
					UM21 Trichloroethene	LT 1.00 0	ug/l	GLL004
					AV8 Ortho- & Para-Xylene	LT 1.36 0	ug/l	GJT014
					UM21 Ortho- & Para-Xylene	LT 2.00 0	ug/l	GLL004
					GG8 Zinc (filtered)	LT 2.20 1	ug/l	GKB013
89116	SW11001	0.0	STSW	UM21	1,1,1-Trichloroethane	LT 1.00 0	ug/l	GF0002
					1,1,2-Trichloroethane	LT 1.00 0	ug/l	GF0002
					1,1-Dichloroethene	LT 1.00 0	ug/l	GF0002
					1,1-Dichloroethane	LT 1.00 0	ug/l	GF0002
					1,2-Dichloroethene	LT 5.00 0	ug/l	GF0002
				UM21	1,2-Dichloroethane	LT 1.00 0	ug/l	GF0002
					1,2-Dichloropropane	LT 1.00 0	ug/l	GF0002
					1,3-Dichlorobenzene	LT 1.00 0	ug/l	GF0002
					1,3-Dichloropropane	LT 4.80 0	ug/l	GF0002
					m-Xylene	LT 1.00 0	ug/l	GF0002
				AV8	m-Xylene	LT 1.32 0	ug/l	GCS025
					2-Chloroethylvinyl Ether	LT 3.50 0	ug/l	GF0002
					Acrylonitrile	LT 8.40 0	ug/l	GF0002

Note: Results for some parameters may appear in more than one analytical fraction.

Summary of Analytical Results

Surface Water Samples for Spring 89

Sampling Date	Station Number	Sample Depth (cm)	Sample Type	Method	Analytical Parameters	Results	Units	Sample Number
69116	SW11001	0.0	STSW	KK8	Aldrin	LT 5.00	-2 ug/l	GFG008
					Aldrin	LT 1.30	1 ug/l	GFC002
					ALKALINITY	3.42	1 ug/l	GE0009
					Arsenic (filtered)	LT 2.35	0 ug/l	GFI025
				AX8	Arsenic	LT 2.35	0 ug/l	GFI026
				UH11	Atrazine	LT 4.03	0 ug/l	GFK008
					Atrazine	LT 5.90	0 ug/l	GFC002
					Bicycloheptadiene	LT 5.90	0 ug/l	GFD008
					Bromodichloromethane	LT 1.00	0 ug/l	GFD002
				AAA8	Benzothiazole	LT 5.00	0 ug/l	GPH005
				UM21	Vinyl Chloride	LT 1.20	1 ug/l	GF0002
					Chloroethane	LT 8.00	0 ug/l	GF0002
					Benzene	LT 1.00	0 ug/l	GF0002
					Benzene	LT 1.05	0 ug/l	GCS025
				GG8	Calcium (filtered)	1.67	4 ug/l	GFF011
				GG8	Calcium	1.56	4 ug/l	GFF012
					Trichlorofluoromethane	LT 1.00	0 ug/l	GF0002
					Carbon Tetrachloride	LT 1.00	0 ug/l	GF0002
					Cadmium (filtered)	LT 8.40	0 ug/l	GFF011
				GG8	Cadmium	LT 8.40	0 ug/l	GFF012
				UM21	Methylene Chloride	LT 1.00	0 ug/l	GF0002
					Bromomethane	LT 1.40	1 ug/l	GF0002
					Chloromethane	LT 1.20	0 ug/l	GF0002
					Bromoform	LT 1.10	1 ug/l	GF0002
					Chloroform	LT 1.00	0 ug/l	GF0002
				HH8A	Chloride	5.59	3 ug/l	GCK025
				KK8	Hexachlorocyclopentadiene	7.10	-1 ug/l	GFG008
				UM25	Hexachlorocyclopentadiene	LT 5.40	1 ug/l	GFC002
				UM21	Chlorobenzene	LT 1.00	0 ug/l	GF0002
				KK8	Chlordane	LT 9.50	-2 ug/l	GFG008
				UM25	Chlordane	LT 3.70	1 ug/l	GFC002
					p-Chlorophenylmethyl Sulfide	LT 5.69	0 ug/l	GPH005
					p-Chlorophenylmethyl Sulfide	LT 1.00	1 ug/l	GFC002
					p-Chlorophenylmethyl Sulfoxide	LT 1.15	1 ug/l	GPH005

Note: Results for some parameters may appear in more than one analytical fraction.

Summary of Analytical Results

Surface Water Samples for Spring 89

Sampling Date	Station Number	Sample Depth (cm)	Sample Type	Method	Analytical Parameters	Results	Units	Sample Number
89116	SW11001	0.0	STSW	UM25	p-Chlorophenylmethyl Sulfoxide	LT 1.50 1	ug/l	GFC002
				AAAS	p-Chlorophenylmethyl Sulfone	LT 7.46 0	ug/l	GFH005
				UM25	p-Chlorophenylmethyl Sulfone	LT 5.30 0	ug/l	GFC002
				GG8	Chromium (filtered)	LT 2.40 1	ug/l	GFF011
				GG8	Chromium	LT 2.40 1	ug/l	GFF012
				GG8	Copper (filtered)	LT 2.60 1	ug/l	GFF011
				GG8	Copper	LT 2.60 1	ug/l	GFF012
				TF20	Cyanide	LT 5.00 0	ug/l	GEN009
				AY8	Dibromochloropropane	LT 1.95 -1	ug/l	GFN005
				UM25	Dibromochloropropane	LT 1.20 1	ug/l	GFC002
				UM21	Dibromochloromethane	LT 1.00 0	ug/l	GF0002
				UM21	1,4-Dichlorobenzene	LT 2.00 0	ug/l	GF0002
				P8	Dicyclopentadiene	LT 5.00 0	ug/l	GFD008
				UM25	Dicyclopentadiene	LT 5.50 0	ug/l	GFC002
				UH11	Vapona	LT 3.84 -1	ug/l	GFK008
				UM25	Vapona	LT 8.50 0	ug/l	GFC002
				AT8	Diisopropylmethyl Phosphonate	LT 3.92 -1	ug/l	GFP005
				UM25	Diisopropylmethyl Phosphonate	LT 2.10 1	ug/l	GFC002
				AAAS	Dithiane	LT 1.34 0	ug/l	GFH005
				UM25	Dithiane	LT 3.30 0	ug/l	GFC002
				KK8	Dieldrin	LT 5.00 -2	ug/l	GFG008
				UM25	Dieldrin	LT 2.60 1	ug/l	GFC002
				AAAS	Dimethyldisulfide	LT 5.50 -1	ug/l	GFH005
				UM21	Acetone	LT 8.00 0	ug/l	GF0002
				AT8	Dimethylmethyl Phosphate	LT 1.88 -1	ug/l	GFP005
				UM25	Dimethylmethyl Phosphate	LT 1.30 2	ug/l	GFC002
				KK8	Endrin	LT 5.00 -2	ug/l	GFG008
				UM25	Endrin	LT 1.80 1	ug/l	GFC002
				UM21	Ethylbenzene	LT 1.00 0	ug/l	GF0002
				AV8	Ethylbenzene	LT 1.37 0	ug/l	GCS025
				HH8A	Fluoride	LT 4.82 2	ug/l	GCK025
				CC8	Mercury (filtered)	LT 1.00 -1	ug/l	GCM051
				CC8	Mercury	LT 1.00 -1	ug/l	GCM052
				KK8	Isodrin	LT 5.10 -2	ug/l	GFG008

Note: Results for some parameters may appear in more than one analytical fraction.

Summary of Analytical Results

Surface Water Samples for Spring 89

Sampling Date	Station Number	Sample Depth (cm)	Sample Type	Method	Analytical Parameters	Results	Units	Sample Number
891116	SW11001	0.0	STSW	UM25	Isodrin	LT 7.80	0 ug/l	GFC002
				GG8	Potassium (filtered)	3.24	3 ug/l	GFF011
				GG8	Potassium	3.27	3 ug/l	GFF012
				UM21	Toluene	LT 1.00	0 ug/l	GFD002
				AV8	Toluene	LT 1.47	0 ug/l	GCS025
				UM21	Methylethyl Ketone	LT 1.00	1 ug/l	GFD002
				GG8	Magnesium (filtered)	2.60	3 ug/l	GFF011
				GG8	Magnesium	2.61	3 ug/l	GFF012
				PS	Methylisobutyl Ketone	LT 4.90	0 ug/l	GFD008
				UM21	Methylisobutyl Ketone	LT 1.40	0 ug/l	GFD002
				UH11	Malathion	LT 3.73	-1 ug/l	GFK008
				UM25	Malathion	LT 2.10	1 ug/l	GFC002
				GG8	Sodium (filtered)	9.95	3 ug/l	GFF011
				GG8	Sodium	9.64	3 ug/l	GFF012
				LL8	Nitrite, Nitrate - Non specific	2.50	2 ug/l	GCL024
				AAA8	1,4-Oxathiane	LT 2.38	0 ug/l	GPH005
				UM25	1,4-Oxathiane	LT 2.70	1 ug/l	GFC002
				GG8	Lead (filtered)	LT 7.40	1 ug/l	GFF011
				GG8	Lead	LT 7.40	1 ug/l	GFF012
				KK8	Dichlorodiphenylethane	LT 5.40	-2 ug/l	GFG008
				UM25	Dichlorodiphenylethane	LT 1.40	1 ug/l	GFC002
				KK8	Dichlorodiphenyltrichloroethane	LT 4.90	-2 ug/l	GFG008
				UM25	Dichlorodiphenyltrichloroethane	LT 1.80	1 ug/l	GFC002
				UH11	Parathion	LT 6.47	-1 ug/l	GFK008
				UM25	Parathion	LT 3.70	1 ug/l	GFC002
				HH8A	Sulfate	2.20	4 ug/l	GCK025
				UH11	2-Chloro-1(2,4-Dichlorophenyl) Vinyl-diethyl Phosphates	LT 7.87	-1 ug/l	GFK008
				UM25	2-Chloro-1(2,4-Dichlorophenyl) Vinyl-diethyl Phosphates	LT 1.90	1 ug/l	GFC002
				UM21	1,1,2,2-Tetrachloroethane	LT 1.50	0 ug/l	GFD002
				UM21	Tetrachloroethene	1.38	0 ug/l	GFD002

Note: Results for some parameters may appear in more than one analytical fraction.

Summary of Analytical Results

Surface Water Samples for Spring 89

Sampling Date	Station Number	Sample Depth (cm)	Sample Type	Method	Analytical Parameters	Results	Units	Sample Number
89116	SW11001	0.0	STSW	UM21	Trichloroethene	LT 1.00 0	ug/l	GFO002
				UM21	Ortho- & Para-Xylene	LT 2.00 0	ug/l	GFO002
				AV8	Ortho- & Para-Xylene	LT 1.36 0	ug/l	GCS025
				GG8	Zinc (filtered)	3.02 1	ug/l	GFF011
				GG8	Zinc	LT 2.20 1	ug/l	GFF012
89116	SW11001B	0.1	SURF	NN9	1,1,1-Trichloroethane	3.36 -1	ug/l	GFS005
				NN9	1,1,2-Trichloroethane	LT 2.60 -1	ug/l	GFS005
				NN9	1,1-Dichloroethene	LT 2.40 -1	ug/l	GFS005
				NN9	1,1-Dichloroethane	LT 7.40 -2	ug/l	GFS005
				NN9	1,2-Dichloroethene	LT 2.60 -1	ug/l	GFS005
				NN9	1,2-Dichloroethane	LT 8.50 -2	ug/l	GFS005
				AA9	m-Xylene	LT 2.60 -1	ug/l	GFT005
				B9	Arsenic	LT 2.50 0	ug/l	GDM019
				LH15	Atrazine	4.58 0	ug/l	GFR005
				ZZ9	Bicycloheptadiene	LT 5.08 0	ug/l	IKY011
				HH9	Benzothiazole	LT 2.04 0	ug/l	GFA007
				AA9	Benzene	LT 8.50 -2	ug/l	GFT005
				NN9	Carbon Tetrachloride	LT 1.20 -1	ug/l	GFS005
				P9	Cadmium	LT 7.40 -1	ug/l	GDK019
				NN9	Methylene Chloride	LT 3.70 0	ug/l	GFS005
				NN9	Chloroform	LT 6.60 -2	ug/l	GFS005
				NN9	Chlorobenzene	LT 2.00 -1	ug/l	GFS005
				HH9	p-Chlorophenylmethyl Sulfide	LT 4.40 0	ug/l	GFA007
				HH9	p-Chlorophenylmethyl Sulfoxide	3.50 1	ug/l	GFA007
				HH9	p-Chlorophenylmethyl Sulfone	LT 9.01 0	ug/l	GFA007
				P9	Chromium	9.99 0	ug/l	GDK019
				P9	Copper	1.45 1	ug/l	GDK019
				S9	Dibromochloropropane	2.29 -2	ug/l	GFB007
				ZZ9	Dicyclopentadiene	LT 5.12 0	ug/l	IKY011
				LH15	Vapona	LT 8.00 -2	ug/l	GFR005
				TT9	Diisopropylmethyl Phosphonate	LT 1.14 -1	ug/l	KSU013
				HH9	Dithiane	LT 1.45 0	ug/l	GFA007
				HH9	Dimethyldisulfide	LT 3.12 0	ug/l	GFA007

Note: Results for some parameters may appear in more than one analytical fraction.

Summary of Analytical Results

Surface Water Samples for Spring 89

Sampling Date	Station Number	Sample Depth (cm)	Sample Type	Method	Analytical Parameters	Results	Units	Sample Number
89116	SW11001B	0.1	STSW	TT9	Dimethylmethyl Phosphate	LT 1.33 -1	ug/l	KSU013
				AA9	Ethylbenzene	LT 1.60 -1	ug/l	GFT005
				AAA9	Fluoroacetic Acid	LT 2.00 0	ug/l	KRS013
				Y9	Mercury	LT 5.00 -2	ug/l	GDL021
				AAA9	Isopropylmethyl Phosphonic Acid	LT 2.11 0	ug/l	KRS013
				AA9	Toluene	3.75 -1	ug/l	GFT005
				ZZ9	Methylisobutyl Ketone	LT 5.24 0	ug/l	IKY011
				LH15	Malathion	LT 1.26 -1	ug/l	GFR005
				HH9	1,4-Oxathiane	LT 1.74 0	ug/l	GFA007
				P9	Lead	2.74 1	ug/l	GDK019
				LH15	Parathion	LT 1.59 -1	ug/l	GFR005
				LH15	2-Chloro-1(2,4-Dichlorophenyl) Vinyl-diethyl Phosphates	LT 1.48 -1	ug/l	GFR005
				NN9	Tetrachloroethene	LT 2.70 -1	ug/l	GFS005
				NN9	Trichloroethene	LT 1.40 -1	ug/l	GFS005
				AA9	Ortho- & Para-Xylene	LT 3.90 -1	ug/l	GFT005
				P9	Zinc	1.02 2	ug/l	GDK019
89116	SW11001BD	0.1	SURF	NN9	1,1,1-Trichloroethane	LT 8.80 -2	ug/l	GFS006
				NN9	1,1,2-Trichloroethane	LT 2.60 -1	ug/l	GFS006
				NN9	1,1-Dichloroethene	LT 2.40 -1	ug/l	GFS006
				NN9	1,1-Dichloroethane	LT 7.40 -2	ug/l	GFS006
				NN9	1,2-Dichloroethene	LT 2.60 -1	ug/l	GFS006
				NN9	1,2-Dichloroethane	LT 8.50 -2	ug/l	GFS006
				AA9	m-Xylene	LT 2.60 -1	ug/l	GFT006
				B9	Arsenic	LT 2.50 0	ug/l	GDM020
				LH15	Atrazine	2.40 1	ug/l	GFR006
				ZZ9	Bicycloheptadiene	LT 5.08 0	ug/l	IKY012
				HH9	Benzo-thiazole	LT 2.04 0	ug/l	GFA008
				AA9	Benzene	LT 8.50 -2	ug/l	GFT006
				NN9	Carbon Tetrachloride	LT 1.20 -1	ug/l	GFS006
				P9	Cadmium	LT 7.40 -1	ug/l	GDK020
				NN9	Methylene Chloride	LT 3.70 0	ug/l	GFS006

Note: Results for some parameters may appear in more than one analytical fraction.

Summary of Analytical Results

Surface Water Samples for Spring 89

Sampling Date	Station Number	Sample Depth (cm)	Sample Type	Method	Analytical Parameters	Results	Units	Sample Number
89116	SW11001BD	0.1	SURF	NN9	Chloroform	LT 6.80 -2	ug/l	GFS006
				NN9	Chlorobenzene	LT 2.00 -1	ug/l	GFS006
				HH9	p-Chlorophenylmethyl Sulfide	LT 4.40 0	ug/l	GFA008
				HH9	p-Chlorophenylmethyl Sulfoxide	3.40 1	ug/l	GFA008
				HH9	p-Chlorophenylmethyl Sulfone	LT 9.01 0	ug/l	GFA008
				P9	Chromium	LT 6.50 0	ug/l	GDK020
				P9	Copper	7.97 0	ug/l	GDK020
				S9	Dibromochloropropane	6.90 -3	ug/l	GFB008
				ZZ9	Dicyclopentadiene	LT 5.12 0	ug/l	IKY012
				LH15	Vapona	LT 8.00 -2	ug/l	GFR006
				TT9	Diisopropylmethyl Phosphonate	LT 1.14 -1	ug/l	KSU014
				HH9	Dithiane	LT 1.45 0	ug/l	GFA008
				HH9	Dimethyldisulfide	LT 3.12 0	ug/l	GFA008
				TT9	Dimethylmethyl Phosphate	LT 1.33 -1	ug/l	KSU014
				AA9	Ethylbenzene	LT 1.60 -1	ug/l	GFT006
				AAA9	Fluoroacetic Acid	LT 2.00 0	ug/l	KRS014
				Y9	Mercury	LT 5.00 -2	ug/l	GDL022
				AAA9	Isopropylmethyl Phosphonic Acid	LT 2.11 0	ug/l	KRS014
				AA9	Toluene	LT 1.90 -1	ug/l	GFT006
				ZZ9	Methylisobutyl Ketone	LT 5.24 0	ug/l	IKY012
				LH15	Malathion	LT 1.26 -1	ug/l	GFR006
				HH9	1,4-Oxathiane	LT 1.74 0	ug/l	GFA008
				P9	Lead	1.76 1	ug/l	GDK020
				LH15	Parathion	LT 1.59 -1	ug/l	GFR006
				LH15	2-Chloro-1(2,4-Dichlorophenyl) Vinyl-diethyl Phosphates	LT 1.48 -1	ug/l	GFR006
				NN9	Tetrachloroethene	LT 2.70 -1	ug/l	GFS006
				NN9	Trichloroethene	LT 1.40 -1	ug/l	GFS006
				AA9	Ortho- & Para-Xylene	LT 3.90 -1	ug/l	GFT006
				P9	Zinc	6.02 1	ug/l	GDK020
89116	SW11001D	0.0	STSW	UM21	1,1,1-Trichloroethane	LT 1.00 0	ug/l	GF0003
				UM21	1,1,2-Trichloroethane	LT 1.00 0	ug/l	GF0003
				UM21	1,1-Dichloroethene	LT 1.00 0	ug/l	GF0003

Note: Results for some parameters may appear in more than one analytical fraction.

Summary of Analytical Results

Surface Water Samples for Spring 89

Sampling Date	Station Number	Sample Depth (cm)	Sample Type	Method	Analytical Parameters	Results	Units	Sample Number
89116	SW11001D	0.0	STSW	UM21	1,1-Dichloroethane	LT 1.00 0	ug/l	GF0003
				UM21	1,2-Dichloroethene	LT 5.00 0	ug/l	GF0003
				UM21	1,2-Dichloroethane	LT 1.00 0	ug/l	GF0003
				UM21	1,2-Dichloropropane	LT 1.00 0	ug/l	GF0003
				UM21	1,3-Dichlorobenzene	LT 1.00 0	ug/l	GF0003
				UM21	1,3-Dichloropropane	LT 4.80 0	ug/l	GF0003
				UM21	m-Xylene	LT 1.00 0	ug/l	GF0003
				AV8	m-Xylene	LT 1.32 0	ug/l	GCS026
				UM21	2-Chloroethylvinyl Ether	LT 3.50 0	ug/l	GF0003
				UM21	Acrylonitrile	LT 8.40 0	ug/l	GF0003
				KK8	Aldrin	LT 5.00 -2	ug/l	GFG009
				UM25	Aldrin	LT 1.30 1	ug/l	GFC003
				00	ALKALINITY	3.27 1	ug/l	GE0010
				AX8	Arsenic	LT 2.35 0	ug/l	GFI027
				AX8	Arsenic	LT 2.35 0	ug/l	GFX005
				UH11	Atrazine	LT 4.03 0	ug/l	GFK009
				UM25	Atrazine	LT 5.90 0	ug/l	GFC003
				P8	Bicycloheptadiene	LT 5.90 0	ug/l	GFD009
				UM21	Bromodichloromethane	LT 1.00 0	ug/l	GF0003
				AAAS	Benzothiazole	LT 5.00 0	ug/l	GFH006
				UM21	Vinyl Chloride	LT 1.20 1	ug/l	GF0003
				UM21	Chloroethane	LT 8.00 0	ug/l	GF0003
				UM21	Benzene	LT 1.00 0	ug/l	GF0003
				AV8	Benzene	LT 1.05 0	ug/l	GCS026
				GG8	Calcium	1.53 4	ug/l	GFF013
				GG8	Calcium	1.57 4	ug/l	GFF014
				UM21	Trichlorofluoromethane	LT 1.00 0	ug/l	GF0003
				UM21	Carbon Tetrachloride	LT 1.00 0	ug/l	GF0003
				GG8	Cadmium	LT 8.40 0	ug/l	GFF013
				GG8	Cadmium	LT 8.40 0	ug/l	GFF014
				UM21	Methylene Chloride	LT 1.00 0	ug/l	GF0003
				UM21	Bromomethane	LT 1.40 1	ug/l	GF0003
				UM21	Chloromethane	LT 1.20 0	ug/l	GF0003
				UM21	Bromoform	LT 1.10 1	ug/l	GF0003

Note: Results for some parameters may appear in more than one analytical fraction.

Summary of Analytical Results

Surface Water Samples for Spring 89

Sampling Date	Station Number	Sample Depth (cm)	Sample Type	Method	Analytical Parameters	Results	Units	Sample Number
89116	SW11001D	0.0	STSW	UM21	Chloroform	LT 1.00	0 ug/l	GFO003
				HM8A	Chloride	5.78	3 ug/l	GCK026
				KK8	Hexachlorocyclopentadiene	1.80	0 ug/l	GFG009
				UM25	Hexachlorocyclopentadiene	LT 5.40	1 ug/l	GFC003
				UM21	Chlorobenzene	LT 1.00	0 ug/l	GFO003
				KK8	Chlordane	LT 9.50	-2 ug/l	GFG009
				UM25	Chlordane	LT 3.70	1 ug/l	GFC003
				AAA8	p-Chlorophenylmethyl Sulfide	LT 5.69	0 ug/l	GFH006
				UM25	p-Chlorophenylmethyl Sulfide	LT 1.00	1 ug/l	GFC003
				AAA8	p-Chlorophenylmethyl Sulfoxide	LT 1.15	1 ug/l	GFH006
				UM25	p-Chlorophenylmethyl Sulfoxide	LT 1.50	1 ug/l	GFC003
				AAA8	p-Chlorophenylmethyl Sulfone	LT 7.46	0 ug/l	GFH006
				UM25	p-Chlorophenylmethyl Sulfone	LT 5.30	0 ug/l	GFC003
				GG8	Chromium	LT 2.40	1 ug/l	GFF013
				GG8	Chromium	LT 2.40	1 ug/l	GFF014
				GG8	Copper	LT 2.60	1 ug/l	GFF013
				GG8	Copper	LT 2.60	1 ug/l	GFF014
				TF20	Cyanide	LT 5.00	0 ug/l	GEN010
				AY8	Dibromochloropropane	LT 1.95	-1 ug/l	GFN006
				UM25	Dibromochloropropane	LT 1.20	1 ug/l	GFC003
				UM21	Dibromochloromethane	LT 1.00	0 ug/l	GFO003
				UM21	1,4-Dichlorobenzene	LT 2.00	0 ug/l	GFO003
				P8	Dicyclopentadiene	LT 5.00	0 ug/l	GFD009
				UM25	Dicyclopentadiene	LT 5.50	0 ug/l	GFC003
				UH11	Vapona	LT 3.84	-1 ug/l	GFK009
				UM25	Vapona	LT 6.50	0 ug/l	GFC003
				AT6	Diisopropylmethyl Phosphonate	LT 3.92	-1 ug/l	GFP006
				UM25	Diisopropylmethyl Phosphonate	LT 2.10	1 ug/l	GFC003
				AAA8	Dithiane	LT 1.34	0 ug/l	GFH006
				UM25	Dithiane	LT 3.30	0 ug/l	GFC003
				KK8	Dieldrin	LT 5.00	-2 ug/l	GFG009
				UM25	Dieldrin	LT 2.60	1 ug/l	GFC003
				AAA8	Dimethyldisulfide	LT 5.50	-1 ug/l	GFH006
				UM21	Acetone	LT 6.00	0 ug/l	GFO003

Summary of Analytical Results

Surface Water Samples for Spring 89

Sampling Date	Station Number	Sample Depth (cm)	Sample Type	Method	Analytical Parameters	Results	Units	Sample Number
89116	SW11001D	0.0	STSW	AT8	Dimethylmethyl Phosphate	LT 1.88 -1	ug/l	GFP006
				UM25	Dimethylmethyl Phosphate	LT 1.30 2	ug/l	GFC003
				KK8	Endrin	LT 5.00 -2	ug/l	GFG009
				UM25	Endrin	LT 1.80 1	ug/l	GFC003
				UM21	Ethylbenzene	LT 1.00 0	ug/l	GFO003
				AV8	Ethylbenzene	LT 1.37 0	ug/l	GCS026
				HH8A	Fluoride	LT 4.82 2	ug/l	GCK026
				CC8	Mercury	LT 1.00 -1	ug/l	GCN053
				CC8	Mercury	LT 1.00 -1	ug/l	GGW005
				KK8	Isodrin	LT 5.10 -2	ug/l	GFG009
				UM25	Isodrin	LT 7.80 0	ug/l	GFC003
				GG8	Potassium	2.96 3	ug/l	GFF013
				GG8	Potassium	3.30 3	ug/l	GFF014
				UM21	Toluene	LT 1.00 0	ug/l	GFO003
				AV8	Toluene	LT 1.47 0	ug/l	GCS026
				UM21	Methylethyl Ketone	LT 1.00 1	ug/l	GFO003
				GG8	Magnesium	2.65 3	ug/l	GFF013
				GG8	Magnesium	2.84 3	ug/l	GFF014
				P8	Methylisobutyl Ketone	LT 4.90 0	ug/l	GFD009
				UM21	Methylisobutyl Ketone	LT 1.40 0	ug/l	GFO003
				UH11	Malathion	LT 3.73 -1	ug/l	GFK009
				UM25	Malathion	LT 2.10 1	ug/l	GFC003
				GG8	Sodium	9.13 3	ug/l	GFF013
				GG8	Sodium	9.89 3	ug/l	GFF014
				LL8	Nitrite,Nitrate - Non specific	2.50 2	ug/l	GCL025
				AAA8	1,4-Oxathiane	LT 2.38 0	ug/l	GFH006
				UM25	1,4-Oxathiane	LT 2.70 1	ug/l	GFC003
				GG8	Lead	LT 7.40 1	ug/l	GFF013
				GG8	Lead	LT 7.40 1	ug/l	GFF014
				KK8	Dichlorodiphenylethane	LT 5.40 -2	ug/l	GFG009
				UM25	Dichlorodiphenylethane	LT 1.40 1	ug/l	GFC003
				KK8	Dichlorodiphenyltrichloro-ethane	LT 4.90 -2	ug/l	GFG009
				UM25	Dichlorodiphenyltrichloro-ethane	LT 1.80 1	ug/l	GFC003

Note: Results for some parameters may appear in more than one analytical fraction.

Summary of Analytical Results

Surface Water Samples for Spring 89

Sampling Date	Station Number	Sample Depth (cm)	Sample Type	Method	Analytical Parameters	Results	Units	Sample Number
89116	SW11001D	0.0	STSW	UH11	Parathion	LT 6.47 -1	ug/l	GFK009
				UM25	Parathion	LT 3.70 1	ug/l	GFC003
				HH8A	Sulfate	2.10 4	ug/l	GCK026
				UH11	2-Chloro-1(2,4-Dichlorophenyl) Vinyl-diethyl Phosphates	LT 7.87 -1	ug/l	GFK009
				UM25	2-Chloro-1(2,4-Dichlorophenyl) Vinyl-diethyl Phosphates	LT 1.90 1	ug/l	GFC003
				UM21	1,1,2,2-Tetrachloroethane	LT 1.50 0	ug/l	GF0003
				UM21	Tetrachloroethene	1.29 0	ug/l	GF0003
				UM21	Trichloroethene	LT 1.00 0	ug/l	GF0003
				UM21	Ortho- & Para-Xylene	LT 2.00 0	ug/l	GF0003
				AV8	Ortho- & Para-Xylene	LT 1.36 0	ug/l	GCS026
				GG8	Zinc	LT 2.20 1	ug/l	GFF013
				GG8	Zinc	LT 2.20 1	ug/l	GFF014
89130	SW11001ST	0.2	STSW	TT8	1,1,1-Trichloroethane	LT 1.09 0	ug/l	GBY008
				UU8	1,1,1-Trichloroethane	LT 2.40 0	ug/l	GSH007
				TT8	1,1,2-Trichloroethane	LT 1.63 0	ug/l	GBY008
				UU8	1,1,2-Trichloroethane	LT 1.60 0	ug/l	GSH007
				TT8	1,1-Dichloroethene	LT 1.85 0	ug/l	GBY008
				TT8	1,1-Dichloroethane	LT 1.93 0	ug/l	GBY008
				UU8	1,1-Dichloroethane	LT 1.40 0	ug/l	GSH007
				TT8	1,2-Dichloroethene	LT 1.75 0	ug/l	GBY008
				UU8	1,2-Dichloroethene	LT 3.20 0	ug/l	GSH007
				TT8	1,2-Dichloroethane	LT 2.07 0	ug/l	GBY008
				UU8	1,2-Dichloroethane	LT 7.20 -1	ug/l	GSH007
				UM18	1,3-Dichlorobenzene	LT 1.70 0	ug/l	PHF005
				SS8	m-Xylene	LT 1.04 0	ug/l	GAX015
				UU8	m-Xylene	LT 2.90 0	ug/l	GSH007
				MM8A	Aldrin	LT 8.30 -2	ug/l	GPL014
				UM18	Aldrin	ND 5.00 0	ug/l	PHF005
				VV8	Arsenic	LT 2.50 0	ug/l	GH0021
				UU8	Bicycloheptadiene	LT 1.80 0	ug/l	GSH007
				PP8A	Benzo-thiazole	LT 1.14 0	ug/l	GIQ011
				SS8	Benzene	LT 1.92 0	ug/l	GAX015

Note: Results for some parameters may appear in more than one analytical fraction.

Summary of Analytical Results

Surface Water Samples for Spring 89

Sampling Date	Station Number	Sample Depth (cm)	Sample Type	Method	Analytical Parameters	Results	Units	Sample Number
89130	SW11001ST	0.2	STRM	UU8	Benzene	LT 2.70 0	ug/l	GSH007
				TT8	Carbon Tetrachloride	LT 1.69 0	ug/l	GBY008
				UU8	Carbon Tetrachloride	LT 4.90 0	ug/l	GSH007
				R9D	Cadmium	LT 5.00 0	ug/l	QSD008
				TT8	Methylene Chloride	LT 2.48 0	ug/l	GBY008
				UU8	Methylene Chloride	ND 5.00 0	ug/l	GSH007
				TT8	Chloroform	LT 1.88 0	ug/l	GBY008
				UU8	Chloroform	LT 1.70 0	ug/l	GSH007
				NN8	Chloride	8.63 3	ug/l	GJK008
				MM8A	Hexachlorocyclopentadiene	LT 8.30 -2	ug/l	GPL014
				UM18	Hexachlorocyclopentadiene	LT 8.60 0	ug/l	PHF005
				TT8	Chlorobenzene	LT 1.36 0	ug/l	GBY008
				UU8	Chlorobenzene	LT 1.80 0	ug/l	GSH007
				MM8A	Chlordane	LT 1.52 -1	ug/l	GPL014
				PP8A	p-Chlorophenylmethyl Sulfide	LT 1.08 0	ug/l	GIQ011
				PP8A	p-Chlorophenylmethyl Sulfoxide	LT 1.98 0	ug/l	GIQ011
				PP8A	p-Chlorophenylmethyl Sulfone	LT 2.24 0	ug/l	GIQ011
				R9D	Chromium	LT 2.20 1	ug/l	QSD008
				R9D	Copper	LT 1.00 1	ug/l	QSD008
				TF18	Cyanide	LT 2.50 0	ug/l	LCN007
				Q8	Dibromochloropropane	LT 1.30 -1	ug/l	GKU022
				UU8	Dibromochloropropane	LT 5.60 0	ug/l	GSH007
				UU8	Dicyclopentadiene	LT 3.70 0	ug/l	GSH007
				QQ8	Diisopropylmethyl Phosphonate	LT 1.01 1	ug/l	QGS008
				PP8A	Dithiane	LT 3.34 0	ug/l	GIQ011
				MM8A	Dieldrin	LT 5.39 -2	ug/l	GPL014
				UM18	Dieldrin	ND 5.00 0	ug/l	PHF005
				PP8A	Dimethyldisulfide	LT 1.16 0	ug/l	GIQ011
				UU8	Dimethyldisulfide	LT 3.70 0	ug/l	GSH007
				QQ8	Dimethylmethyl Phosphate	LT 1.63 1	ug/l	QGS008
				MM8A	Endrin	LT 6.00 -2	ug/l	GPL014
				UM18	Endrin	ND 8.00 0	ug/l	PHF005
				SS8	Ethylbenzene	LT 6.20 -1	ug/l	GAX015
				UU8	Ethylbenzene	LT 2.40 0	ug/l	GSH007

Note: Results for some parameters may appear in more than one analytical fraction.

Summary of Analytical Results

Surface Water Samples for Spring 89

Sampling Date	Station Number	Sample Depth (cm)	Sample Type	Method	Analytical Parameters	Results	Units	Sample Number
89130	SW11001ST	0.2	STSW	NN8	Fluoride	1.22	3 ug/l	GJK008
				WW8	Mercury	LT 5.00	-1 ug/l	GWA011
				MMSA	Isodrin	LT 5.60	-2 ug/l	GPL014
				XX8	Potassium	2.98	3 ug/l	DYW008
				SS8	Toluene	LT 2.10	0 ug/l	GAX015
				UU8	Toluene	LT 3.50	0 ug/l	GSH007
				UU8	Methylisobutyl Ketone	LT 1.20	0 ug/l	GSH007
				TF22	Nitrite,Nitrate - Non specific	1.00	3 ug/l	PCD018
				UM18	N-Nitrosodimethylamine	ND 2.00	0 ug/l	PHF005
				UM18	N-Nitrosodi-N-Propylamine	LT 4.40	0 ug/l	PHF005
				PP8A	1,4-Oxathiane	LT 1.35	0 ug/l	GIQ011
				R9D	Lead	LT 5.20	1 ug/l	QSD008
				MMSA	Dichlorodiphenylethane	LT 4.60	-2 ug/l	GPL014
				UM18	Dichlorodiphenylethane	ND 5.00	0 ug/l	PHF005
				MMSA	Dichlorodiphenyltrichloro-ethane	LT 5.90	-2 ug/l	GPL014
				UM18	Dichlorodiphenyltrichloro-ethane	ND 9.00	0 ug/l	PHF005
				UN07	Parathion	1.04	0 ug/l	PGB008
				NN8	Sulfate	1.11	4 ug/l	GJK008
				TT8	Tetrachloroethene	LT 2.76	0 ug/l	GBY008
				UU8	Tetrachloroethene	LT 2.90	0 ug/l	GSH007
				TT8	Trichloroethene	LT 1.31	0 ug/l	GBY008
				UU8	Trichloroethene	LT 2.00	0 ug/l	GSH007
				SS8	Ortho- & Para-Xylene	1.46	0 ug/l	GAX015
				UU8	Ortho- & Para-Xylene	LT 2.40	0 ug/l	GSH007
				R9D	Zinc	3.81	1 ug/l	QSD008
89116	SW11002	0.1	STRM	UM21	1,1,1-Trichloroethane	LT 1.00	0 ug/l	GFO004
				UM21	1,1,2-Trichloroethane	LT 1.00	0 ug/l	GFO004
				UM21	1,1-Dichloroethene	LT 1.00	0 ug/l	GFO004
				UM21	1,1-Dichloroethane	LT 1.00	0 ug/l	GFO004
				UM21	1,2-Dichloroethene	LT 5.00	0 ug/l	GFO004
				UM21	1,2-Dichloroethane	LT 1.00	0 ug/l	GFO004

Note: Results for some parameters may appear in more than one analytical fraction.

Summary of Analytical Results

Surface Water Samples for Spring 89

Sampling Date	Station Number	Sample Depth (cm)	Sample Type	Method	Analytical Parameters	Results	Units	Sample Number
891116	SW11002	0.1	STRM	UM21	1,2-Dichloropropane	LT 1.00 0	ug/l	GF0004
				UM21	1,3-Dichlorobenzene	LT 1.00 0	ug/l	GF0004
				UM21	1,3-Dichloropropane	LT 4.80 0	ug/l	GF0004
				UM21	m-Xylene	LT 1.00 0	ug/l	GF0004
				AV8	m-Xylene	LT 1.32 0	ug/l	GCS027
				UM21	2-Chloroethylvinyl Ether	LT 3.50 0	ug/l	GF0004
				UM21	Acrylonitrile	LT 8.40 0	ug/l	GF0004
				KK8	Aldrin	LT 5.00 -2	ug/l	GFG010
				UM25	Aldrin	LT 1.30 1	ug/l	GFC004
				00	ALKALINITY	5.12 1	ug/l	GEO011
				AX8	Arsenic (filtered)	LT 2.35 0	ug/l	GFX006
				AX8	Arsenic	LT 2.35 0	ug/l	GFX007
				UH11	Atrazine	LT 4.03 0	ug/l	GFK010
				UM25	Atrazine	LT 5.90 0	ug/l	GFC004
				P8	Bicycloheptadiene	LT 5.90 0	ug/l	GFD010
				UM21	Bromodichloromethane	LT 1.00 0	ug/l	GF0004
				AAA8	Benzothiazole	LT 5.00 0	ug/l	GFH007
				UM21	Vinyl Chloride	LT 1.20 1	ug/l	GF0004
				UM21	Chloroethane	LT 8.00 0	ug/l	GF0004
				UM21	Benzene	LT 1.00 0	ug/l	GF0004
				AV8	Benzene	LT 1.05 0	ug/l	GCS027
				GG8	Calcium (filtered)	2.37 4	ug/l	GFF015
				GG8	Calcium	2.33 4	ug/l	GFF016
				UM21	Trichlorofluoromethane	LT 1.00 0	ug/l	GF0004
				UM21	Carbon Tetrachloride	LT 1.00 0	ug/l	GF0004
				GG8	Cadmium (filtered)	LT 8.40 0	ug/l	GFF015
				GG8	Cadmium	LT 8.40 0	ug/l	GFF016
				UM21	Methylene Chloride	LT 1.00 0	ug/l	GF0004
				UM21	Bromomethane	LT 1.40 1	ug/l	GF0004
				UM21	Chloromethane	LT 1.20 0	ug/l	GF0004
				UM21	Bromoform	LT 1.10 1	ug/l	GF0004
				UM21	Chloroform	LT 1.00 0	ug/l	GF0004
				HH8A	Chloride	1.70 4	ug/l	GCK027
				KK8	Hexachlorocyclopentadiene	2.59 -1	ug/l	GFG010

Note: Results for some parameters may appear in more than one analytical fraction.

Summary of Analytical Results

Surface Water Samples for Spring 89

Sampling Date	Station Number	Sample Depth (cm)	Sample Type	Method	Analytical Parameters	Results	Units	Sample Number
69116	SW11002	0.1	STRM	UM25	Hexachlorocyclopentadiene	LT 5.40 1	ug/l	GFC004
				UM21	Chlorobenzene	LT 1.00 0	ug/l	GFC004
				KK8	Chlordane	LT 9.50 -2	ug/l	GFG010
				UM25	Chlordane	LT 3.70 1	ug/l	GFC004
				AAAB	p-Chlorophenylmethyl Sulfide	LT 5.69 0	ug/l	GFH007
				UM25	p-Chlorophenylmethyl Sulfide	LT 1.00 1	ug/l	GFC004
				AAAB	p-Chlorophenylmethyl Sulfoxide	LT 1.15 1	ug/l	GFH007
				UM25	p-Chlorophenylmethyl Sulfoxide	LT 1.50 1	ug/l	GFC004
				AAAB	p-Chlorophenylmethyl Sulfone	LT 7.46 0	ug/l	GFH007
				UM25	p-Chlorophenylmethyl Sulfone	LT 5.30 0	ug/l	GFC004
				GG8	Chromium (filtered)	LT 2.40 1	ug/l	GFF015
				GG8	Chromium	LT 2.40 1	ug/l	GFF016
				GG8	Copper (filtered)	LT 2.60 1	ug/l	GFF015
				GG8	Copper	LT 2.60 1	ug/l	GFF016
				TF20	Cyanide	LT 5.00 0	ug/l	GEN011
				AY8	Dibromochloropropane	LT 1.95 -1	ug/l	GFN007
				UM25	Dibromochloropropane	LT 1.20 1	ug/l	GFC004
				UM21	Dibromochloromethane	LT 1.00 0	ug/l	GFC004
				UM21	1,4-Dichlorobenzene	LT 2.00 0	ug/l	GFC004
				P8	Dicyclopentadiene	LT 5.00 0	ug/l	GFC010
				UM25	Dicyclopentadiene	LT 5.50 0	ug/l	GFC004
				UH11	Vapona	LT 3.84 -1	ug/l	GFK010
				UM25	Vapona	LT 8.50 0	ug/l	GFC004
				AT8	Diisopropylmethyl Phosphonate	LT 3.92 -1	ug/l	GFP007
				UM25	Diisopropylmethyl Phosphonate	LT 2.10 1	ug/l	GFC004
				AAAB	Dithiane	LT 1.34 0	ug/l	GFH007
				UM25	Dithiane	LT 3.30 0	ug/l	GFC004
				KK8	Dieldrin	LT 5.00 -2	ug/l	GFG010
				UM25	Dieldrin	LT 2.60 1	ug/l	GFC004
				AAAB	Dimethyldisulfide	LT 5.50 -1	ug/l	GFH007
				UM21	Acetone	LT 8.00 0	ug/l	GFC004
				AT8	Dimethylmethyl Phosphate	4.30 -1	ug/l	GFP007
				UM25	Dimethylmethyl Phosphate	LT 1.30 2	ug/l	GFC004
				KK8	Endrin	LT 5.00 -2	ug/l	GFG010

Note: Results for some parameters may appear in more than one analytical fraction.

Summary of Analytical Results

Surface Water Samples for Spring 89

Sampling Date	Station Number	Sample Depth (cm)	Sample Type	Method	Analytical Parameters	Results	Units	Sample Number
891116	SW11002	0.1	STRM	UM25	Endrin	LT 1.80	1 ug/l	GFC004
				UM21	Ethylbenzene	LT 1.00	0 ug/l	GF0004
				AV8	Ethylbenzene	LT 1.37	0 ug/l	GCS027
				HH8A	Fluoride	7.40	2 ug/l	GCK027
				CC8	Mercury (filtered)	LT 1.00	-1 ug/l	GGW007
				CC8	Mercury	LT 1.00	-1 ug/l	GGW008
				KK8	Isodrin	LT 5.10	-2 ug/l	GFG010
				UM25	Isodrin	LT 7.80	0 ug/l	GFC004
				GG8	Potassium (filtered)	4.52	3 ug/l	GFF015
				GG8	Potassium	4.70	3 ug/l	GFF016
				UM21	Toluene	LT 1.00	0 ug/l	GF0004
				AV8	Toluene	LT 1.47	0 ug/l	GCS027
				UM21	Methylethyl Ketone	LT 1.00	1 ug/l	GF0004
				GG8	Magnesium (filtered)	3.73	3 ug/l	GFF015
				GG8	Magnesium	3.74	3 ug/l	GFF016
				P8	Methylisobutyl Ketone	LT 4.90	0 ug/l	GFD010
				UM21	Methylisobutyl Ketone	LT 1.40	0 ug/l	GF0004
				UH11	Malathion	LT 3.73	-1 ug/l	GFK010
				UM25	Malathion	LT 2.10	1 ug/l	GFC004
				GG8	Sodium (filtered)	2.04	4 ug/l	GFF015
				GG8	Sodium	2.09	4 ug/l	GFF016
				LL8	Nitrite,Nitrate - Non specific	5.19	1 ug/l	GCL026
				AAA8	1,4-Oxathiane	LT 2.38	0 ug/l	GFH007
				UM25	1,4-Oxathiane	LT 2.70	1 ug/l	GFC004
				GG8	Lead (filtered)	LT 7.40	1 ug/l	GFF015
				GG8	Lead	LT 7.40	1 ug/l	GFF016
				KK8	Dichlorodiphenylethane	LT 5.40	-2 ug/l	GFG010
				UM25	Dichlorodiphenylethane	LT 1.40	1 ug/l	GFC004
				KK8	Dichlorodiphenyltrichloro-ethane	LT 4.90	-2 ug/l	GFG010
				UM25	Dichlorodiphenyltrichloro-ethane	LT 1.80	1 ug/l	GFC004
				UH11	Parathion	LT 6.47	-1 ug/l	GFK010
				UM25	Parathion	LT 3.70	1 ug/l	GFC004

Note: Results for some parameters may appear in more than one analytical fraction.

Summary of Analytical Results

Surface Water Samples for Spring 89

Sampling Date	Station Number	Sample Depth (cm)	Sample Type	Method	Analytical Parameters	Results	Units	Sample Number
89116	SW11002	0.1	STRM	HH8A	Sulfate	3.10	4 ug/l	GCK027
				UH11	2-Chloro-1(2,4-Dichlorophenyl) Vinyl-diethyl Phosphates	LT 7.87	-1 ug/l	GFK010
				UM25	2-Chloro-1(2,4-Dichlorophenyl) Vinyl-diethyl Phosphates	LT 1.90	1 ug/l	GFC004
				UM21	1,1,2,2-Tetrachloroethane	LT 1.50	0 ug/l	GF0004
				UM21	Tetrachloroethene	LT 1.00	0 ug/l	GF0004
				UM21	Trichloroethene	LT 1.00	0 ug/l	GF0004
				UM21	Ortho- & Para-Xylene	LT 2.00	0 ug/l	GF0004
				AV8	Ortho- & Para-Xylene	LT 1.36	0 ug/l	GCS027
				GG8	Zinc (filtered)	LT 2.20	1 ug/l	GFF015
				GG8	Zinc	LT 2.20	1 ug/l	GFF016
				NN9	1,1,1-Trichloroethane	LT 8.80	-2 ug/l	GFS007
				NN9	1,1,2-Trichloroethane	LT 2.60	-1 ug/l	GFS007
				NN9	1,1-Dichloroethene	LT 2.40	-1 ug/l	GFS007
89116	SW11002B	0.1	STRM	NN9	1,1-Dichloroethane	LT 7.40	-2 ug/l	GFS007
				NN9	1,2-Dichloroethene	LT 2.60	-1 ug/l	GFS007
				NN9	1,2-Dichloroethane	LT 8.50	-2 ug/l	GFS007
				AA9	m-Xylene	LT 2.60	-1 ug/l	GFT007
				B9	Arsenic	LT 2.50	0 ug/l	GDM021
				LH15	Atrazine	3.72	0 ug/l	GFR007
				ZZ9	Bicycloheptadiene	LT 5.08	0 ug/l	IKY013
				HH9	Benzothiazole	LT 2.04	0 ug/l	GFA009
				AA9	Benzene	LT 8.50	-2 ug/l	GFT007
				NN9	Carbon Tetrachloride	LT 1.20	-1 ug/l	GFS007
				P9	Cadmium	LT 7.40	-1 ug/l	GDK021
				NN9	Methylene Chloride	LT 3.70	0 ug/l	GFS007
				NN9	Chloroform	LT 6.80	-2 ug/l	GFS007
				NN9	Chlorobenzene	LT 2.00	-1 ug/l	GFS007
				HH9	p-Chlorophenylmethyl Sulfide	LT 4.40	0 ug/l	GFA009
				HH9	p-Chlorophenylmethyl Sulfoxide	5.94	0 ug/l	GFA009
				HH9	p-Chlorophenylmethyl Sulfone	LT 9.01	0 ug/l	GFA009
				P9	Chromium	LT 6.50	0 ug/l	GDK021

Note: Results for some parameters may appear in more than one analytical fraction.

Summary of Analytical Results

Surface Water Samples for Spring 89

Sampling Date	Station Number	Sample Depth (cm)	Sample Type	Method	Analytical Parameters	Results	Units	Sample Number
89116	SW11002B	0.1	STRM	P9	Copper	LT 4.70 0	ug/l	GDK021
				S9	Dibromochloropropane	LT 5.00 -3	ug/l	GFB009
				ZZ9	Dicyclopentadiene	LT 5.12 0	ug/l	IKY013
				LH15	Vapona	LT 8.00 -2	ug/l	GFR007
				TT9	Diisopropylmethyl Phosphonate	LT 1.14 -1	ug/l	KSU015
				HH9	Dithiane	LT 1.45 0	ug/l	GFA009
				HH9	Dimethyldisulfide	LT 3.12 0	ug/l	GFA009
				TT9	Dimethylmethyl Phosphate	LT 1.33 -1	ug/l	KSU015
				AA9	Ethylbenzene	LT 1.60 -1	ug/l	GFT007
				AAA9	Fluoroacetic Acid	LT 2.00 0	ug/l	KRS015
				Y9	Mercury	LT 5.00 -2	ug/l	GDL023
				AAA9	Isopropylmethyl Phosphonic Acid	LT 2.11 0	ug/l	KRS015
				AA9	Toluene	LT 1.90 -1	ug/l	GFT007
				ZZ9	Methylisobutyl Ketone	LT 5.24 0	ug/l	IKY013
				LH15	Malathion	LT 1.26 -1	ug/l	GFR007
				HH9	1,4-Oxathiane	LT 1.74 0	ug/l	GFA009
				P9	Lead	1.81 1	ug/l	GDK021
				LH15	Parathion	LT 1.59 -1	ug/l	GFR007
				LH15	2-Chloro-1(2,4-Dichlorophenyl) Vinyl-diethyl Phosphates	LT 1.48 -1	ug/l	GFR007
				NN9	Tetrachloroethene	LT 2.70 -1	ug/l	GFS007
				NN9	Trichloroethene	LT 1.40 -1	ug/l	GFS007
				AA9	Ortho- & Para-Xylene	LT 3.90 -1	ug/l	GFT007
				P9	Zinc	6.47 1	ug/l	GDK021
89116	SW11002FB	0	QCFB	UM21	1,1,1-Trichloroethane	LT 1.00 0	ug/l	GFD005
				UM21	1,1,2-Trichloroethane	LT 1.00 0	ug/l	GFD005
				UM21	1,1-Dichloroethene	LT 1.00 0	ug/l	GFD005
				UM21	1,1-Dichloroethane	LT 1.00 0	ug/l	GFD005
				UM21	1,2-Dichloroethene	LT 5.00 0	ug/l	GFD005
				UM21	1,2-Dichloroethane	LT 1.00 0	ug/l	GFD005
				UM21	1,2-Dichloropropane	LT 1.00 0	ug/l	GFD005
				UM21	1,3-Dichlorobenzene	LT 1.00 0	ug/l	GFD005
				UM21	1,3-Dichloropropane	LT 4.80 0	ug/l	GFD005

Note: Results for some parameters may appear in more than one analytical fraction.

Summary of Analytical Results

Surface Water Samples for Spring 89

Sampling Date	Station Number	Sample Depth (cm)	Sample Type	Method	Analytical Parameters	Results	Units	Sample Number
89116	SW11002FB	0	QCFB	UM21	m-Xylene	LT 1.00 0	ug/l	GFD005
				AV8	m-Xylene	LT 1.32 0	ug/l	GCS028
				UM21	2-Chloroethylvinyl Ether	LT 3.50 0	ug/l	GFD005
				UM21	Acrylonitrile	LT 8.40 0	ug/l	GFD005
				KK8	Aldrin	LT 5.00 -2	ug/l	GFG011
				UM25	Aldrin	LT 1.30 1	ug/l	GFC005
				00	ALKALINITY	LT 5.12 1	ug/l	GED012
				AX8	Arsenic (filtered)	LT 2.35 0	ug/l	GFX008
				UH11	Atrazine	LT 4.03 0	ug/l	GFK011
				UM25	Atrazine	LT 5.90 0	ug/l	GFC005
				P8	Bicycloheptadiene	LT 5.90 0	ug/l	GFD011
				UM21	Bromodichloromethane	LT 1.00 0	ug/l	GFD005
				AAA8	Benzothiazole	LT 5.00 0	ug/l	GFH008
				UM21	Vinyl Chloride	LT 1.20 1	ug/l	GFD005
				UM21	Chloroethane	LT 8.00 0	ug/l	GFD005
				UM21	Benzene	LT 1.00 0	ug/l	GFD005
				AV8	Benzene	LT 1.05 0	ug/l	GCS028
				GG8	Calcium (filtered)	LT 5.00 2	ug/l	GFF017
				UM21	Trichlorofluoromethane	LT 1.00 0	ug/l	GFD005
				UM21	Carbon Tetrachloride	LT 1.00 0	ug/l	GFD005
				GG8	Cadmium (filtered)	LT 8.40 0	ug/l	GFF017
				UM21	Methylene Chloride	LT 1.00 0	ug/l	GFD005
				UM21	Bromomethane	LT 1.40 1	ug/l	GFD005
				UM21	Chloromethane	LT 1.20 0	ug/l	GFD005
				UM21	Bromoform	LT 1.10 1	ug/l	GFD005
				UM21	Chloroform	LT 1.00 0	ug/l	GFD005
				HH8A	Chloride	LT 7.20 2	ug/l	GCK028
				KK8	Hexachlorocyclopentadiene	LT 4.80 -2	ug/l	GFG011
				UM25	Hexachlorocyclopentadiene	LT 5.40 1	ug/l	GFC005
				UM21	Chlorobenzene	LT 1.00 0	ug/l	GFD005
				KK8	Chlordane	LT 9.50 -2	ug/l	GFG011
				UM25	Chlordane	LT 3.70 1	ug/l	GFC005
				AAA8	p-Chlorophenylmethyl Sulfide	LT 5.69 0	ug/l	GFH008
				UM25	p-Chlorophenylmethyl Sulfide	LT 1.00 1	ug/l	GFC005

Summary of Analytical Results

Surface Water Samples for Spring 89

Sampling Date	Station Number	Sample Depth (cm)	Sample Type	Method	Analytical Parameters	Results	Units	Sample Number
89116	SW11002FB	0	QCFB	AAAS	p-Chlorophenylmethyl Sulfoxide	LT 1.15	1 ug/l	GFH008
				UM25	p-Chlorophenylmethyl Sulfoxide	LT 1.50	1 ug/l	GFC005
				AAAS	p-Chlorophenylmethyl Sulfone	LT 7.46	0 ug/l	GFH008
				UM25	p-Chlorophenylmethyl Sulfone	LT 5.30	0 ug/l	GFC005
				GG8	Chromium (filtered)	LT 2.40	1 ug/l	GFF017
				GG8	Copper (filtered)	LT 2.60	1 ug/l	GFF017
				TF20	Cyanide	LT 5.00	0 ug/l	GEN012
				AY8	Dibromochloropropane	LT 1.95	-1 ug/l	GFN008
				UM25	Dibromochloropropane	LT 1.20	1 ug/l	GFC005
				UM21	Dibromochloromethane	LT 1.00	0 ug/l	GFO005
				UM21	1,4-Dichlorobenzene	LT 2.00	0 ug/l	GFO005
				P8	Dicyclopentadiene	LT 5.00	0 ug/l	GFD011
				UM25	Dicyclopentadiene	LT 5.50	0 ug/l	GFC005
				UH11	Vapona	LT 3.84	-1 ug/l	GFK011
				UM25	Vapona	LT 8.50	0 ug/l	GFC005
				AT8	Diisopropylmethyl Phosphonate	LT 3.92	-1 ug/l	GFP008
				UM25	Diisopropylmethyl Phosphonate	LT 2.10	1 ug/l	GFC005
				AAAS	Dithiane	LT 1.34	0 ug/l	GFH008
				UM25	Dithiane	LT 3.30	0 ug/l	GFC005
				KK8	Dieldrin	LT 5.00	-2 ug/l	GFG011
				UM25	Dieldrin	LT 2.60	1 ug/l	GFC005
				AAAS	Dimethyldisulfide	LT 5.50	-1 ug/l	GFH008
				UM21	Acetone	LT 8.00	0 ug/l	GFO005
				AT8	Dimethylmethyl Phosphate	LT 1.88	-1 ug/l	GFP008
				UM25	Dimethylmethyl Phosphate	LT 1.30	2 ug/l	GFC005
				KK8	Endrin	LT 5.00	-2 ug/l	GFG011
				UM25	Endrin	LT 1.80	1 ug/l	GFC005
				UM21	Ethylbenzene	LT 1.00	0 ug/l	GFO005
				AV8	Ethylbenzene	LT 1.37	0 ug/l	GCS028
				HH8A	Fluoride	LT 4.82	2 ug/l	GCK028
				CC8	Mercury (filtered)	LT 1.00	-1 ug/l	GGW009
				KK8	Isodrin	LT 5.10	-2 ug/l	GFG011
				UM25	Isodrin	LT 7.80	0 ug/l	GFC005
				GG8	Potassium (filtered)	LT 2.50	2 ug/l	GFF017

Note: Results for some parameters may appear in more than one analytical fraction.

Summary of Analytical Results

Surface Water Samples for Spring 89

Sampling Date	Station Number	Sample Depth (cm)	Sample Type	Method	Analytical Parameters	Results	Units	Sample Number
69116	SW11002FB	0.0	QCSP	UM21	Toluene	LT 1.00	0 ug/l	GFO005
				AV8	Toluene	LT 1.47	0 ug/l	GCS028
				UM21	Methylethyl Ketone	LT 1.00	1 ug/l	GFO005
				GG8	Magnesium (filtered)	LT 5.00	2 ug/l	GFF017
				P8	Methylisobutyl Ketone	LT 4.90	0 ug/l	GFD011
				UM21	Methylisobutyl Ketone	LT 1.40	0 ug/l	GFO005
				UH11	Malathion	LT 3.73	-1 ug/l	GFK011
				UM25	Malathion	LT 2.10	1 ug/l	GFC005
				GG8	Sodium (filtered)	LT 9.40	2 ug/l	GFF017
				LL8	Nitrite,Nitrate - Non specific	7.43	1 ug/l	GCL027
				AAA8	1,4-Oxathiane	LT 2.38	0 ug/l	GFH008
				UM25	1,4-Oxathiane	LT 2.70	1 ug/l	GFC005
				GG8	Lead (filtered)	LT 7.40	1 ug/l	GFF017
				KK8	Dichlorodiphenylethane	LT 5.40	-2 ug/l	GFG011
				UM25	Dichlorodiphenylethane	LT 1.40	1 ug/l	GFC005
				KK8	Dichlorodiphenyltrichloroethane	LT 4.90	-2 ug/l	GFG011
				UM25	Dichlorodiphenyltrichloroethane	LT 1.80	1 ug/l	GFC005
				UH11	Parathion	LT 6.47	-1 ug/l	GFK011
				UM25	Parathion	LT 3.70	1 ug/l	GFC005
				HH8A	Sulfate	LT 2.51	2 ug/l	GCK028
				UH11	2-Chloro-1(2,4-Dichlorophenyl) Vinyl-diethyl Phosphates	LT 7.87	-1 ug/l	GFK011
				UM25	2-Chloro-1(2,4-Dichlorophenyl) Vinyl-diethyl Phosphates	LT 1.90	1 ug/l	GFC005
				UM21	1,1,2,2-Tetrachloroethane	LT 1.50	0 ug/l	GFO005
				UM21	Tetrachloroethene	LT 1.00	0 ug/l	GFO005
				UM21	Trichloroethene	LT 1.00	0 ug/l	GFO005
				UM21	Ortho- & Para-Xylene	LT 2.00	0 ug/l	GFO005
				AV8	Ortho- & Para-Xylene	LT 1.36	0 ug/l	GCS028
				GG8	Zinc (filtered)	LT 2.20	1 ug/l	GFF017
69130	SW11002ST	0.2	STRM	TT8	1,1,1-Trichloroethane	LT 1.09	0 ug/l	GBY006
				UUS	1,1,1-Trichloroethane	LT 2.40	0 ug/l	GSH005

Summary of Analytical Results

Surface Water Samples for Spring 89

Sampling Date	Station Number	Sample Depth (cm)	Sample Type	Method	Analytical Parameters	Results	Units	Sample Number
89130	SW11002ST	0.2	STRM	TT8	1,1,2-Trichloroethane	LT 1.63 0	ug/l	GBY006
				UUS	1,1,2-Trichloroethane	LT 1.60 0	ug/l	GSH005
				TT8	1,1-Dichloroethene	LT 1.85 0	ug/l	GBY006
				TT8	1,1-Dichloroethane	LT 1.93 0	ug/l	GBY006
				UUS	1,1-Dichloroethane	LT 1.40 0	ug/l	GSH005
				TT8	1,2-Dichloroethene	LT 1.75 0	ug/l	GBY006
				UUS	1,2-Dichloroethene	LT 3.20 0	ug/l	GSH005
				TT8	1,2-Dichloroethane	LT 2.07 0	ug/l	GBY006
				UUS	1,2-Dichloroethane	LT 7.20 -1	ug/l	GSH005
				UM16	1,3-Dichlorobenzene	LT 1.70 0	ug/l	PHF003
				SS8	m-Xylene	LT 1.04 0	ug/l	GAX006
				UUS	m-Xylene	LT 2.90 0	ug/l	GSH005
				MM8A	Aldrin	LT 8.30 -2	ug/l	GPL012
				MM8A	Aldrin	LT 8.30 -2	ug/l	GPL013
				UM16	Aldrin	ND 4.70 0	ug/l	PHF003
				VV8	Arsenic	LT 2.50 0	ug/l	GH0019
				UUS	Bicycloheptadiene	LT 1.80 0	ug/l	GSH005
				PP8A	Benzothiazole	LT 1.14 0	ug/l	GIQ009
				UM16	Benzothiazole	3.00 0	ug/l	PHF003
				SS8	Benzene	LT 1.92 0	ug/l	GAX006
				UUS	Benzene	LT 2.70 0	ug/l	GSH005
				TT8	Carbon Tetrachloride	LT 1.69 0	ug/l	GBY006
				UUS	Carbon Tetrachloride	LT 4.90 0	ug/l	GSH005
				R9D	Cadmium	LT 5.00 0	ug/l	QSD006
				TT8	Methylene Chloride	LT 2.48 0	ug/l	GBY006
				UUS	Methylene Chloride	ND 5.00 0	ug/l	GSH005
				TT8	Chloroform	LT 1.88 0	ug/l	GBY006
				UUS	Chloroform	LT 1.70 0	ug/l	GSH005
				NN8	Chloride	1.16 4	ug/l	GJK006
				MM8A	Hexachlorocyclopentadiene	LT 8.30 -2	ug/l	GPL012
				MM8A	Hexachlorocyclopentadiene	LT 8.30 -2	ug/l	GPL013
				UM16	Hexachlorocyclopentadiene	LT 8.60 0	ug/l	PHF003
				TT8	Chlorobenzene	LT 1.36 0	ug/l	GBY006
				UUS	Chlorobenzene	LT 1.80 0	ug/l	GSH005

Note: Results for some parameters may appear in more than one analytical fraction.

Summary of Analytical Results

Surface Water Samples for Spring 89

Sampling Date	Station Number	Sample Depth (cm)	Sample Type	Method	Analytical Parameters	Results	Units	Sample Number
89130	SW11002ST	0.2	STRM	MM8A	Chlordane	LT 1.52	-1 ug/l	GPL012
				MM8A	Chlordane	LT 1.52	-1 ug/l	GPL013
				PP8A	p-Chlorophenylmethyl Sulfide	LT 1.08	0 ug/l	GIQ009
				PP8A	p-Chlorophenylmethyl Sulfoxide	LT 1.96	0 ug/l	GIQ009
				PP8A	p-Chlorophenylmethyl Sulfone	LT 2.24	0 ug/l	GIQ009
				R9D	Chromium	LT 2.20	1 ug/l	QSD006
				R9D	Copper	1.05	1 ug/l	QSD006
				TF18	Cyanide	LT 2.50	0 ug/l	LCN005
				Q6	Dibromochloropropane	LT 1.30	-1 ug/l	GKU020
				U06	Dibromochloropropane	LT 5.60	0 ug/l	GSH005
				R8	Dicyclopentadiene	LT 9.31	0 ug/l	GXA020
				U06	Dicyclopentadiene	LT 3.70	0 ug/l	GSH005
				Q06	Diisopropylmethyl Phosphonate	LT 1.01	1 ug/l	GG006
				PP8A	Dithiane	LT 3.34	0 ug/l	GIQ009
				MM8A	Dieldrin	LT 5.39	-2 ug/l	GPL012
				MM8A	Dieldrin	LT 5.39	-2 ug/l	GPL013
				UM18	Dieldrin	ND 4.70	0 ug/l	PHF003
				PP8A	Dimethyldisulfide	LT 1.16	0 ug/l	GIQ009
				U06	Dimethyldisulfide	LT 3.70	0 ug/l	GSH005
				Q06	Dimethylmethyl Phosphate	LT 1.63	1 ug/l	GG006
				MM8A	Endrin	LT 6.00	-2 ug/l	GPL012
				MM8A	Endrin	LT 6.00	-2 ug/l	GPL013
				UM18	Endrin	ND 7.60	0 ug/l	PHF003
				SS8	Ethylbenzene	LT 6.20	-1 ug/l	GAX006
				U06	Ethylbenzene	LT 2.40	0 ug/l	GSH005
				NN8	Fluoride	LT 1.00	3 ug/l	GJK006
				WW8	Mercury	LT 5.00	-1 ug/l	GWA009
				MM8A	Isodrin	LT 5.60	-2 ug/l	GPL012
				MM8A	Isodrin	LT 5.60	-2 ug/l	GPL013
				XX8	Potassium	2.62	3 ug/l	DYW006
				SS8	Toluene	LT 2.10	0 ug/l	GAX006
				U06	Toluene	LT 3.50	0 ug/l	GSH005
				R8	Methylisobutyl Ketone	LT 1.29	1 ug/l	GXA020
				U06	Methylisobutyl Ketone	LT 1.20	0 ug/l	GSH005

Note: Results for some parameters may appear in more than one analytical fraction.

Summary of Analytical Results

Surface Water Samples for Spring 89

Sampling Date	Station Number	Sample Depth (cm)	Sample Type	Method	Analytical Parameters	Results	Units	Sample Number
89130	SW11002ST	0.2	STRM	TF22	Nitrite,Nitrate - Non specific	1.00	3 ug/l	PCD016
				UM18	N-Nitrosodimethylamine	ND 2.00	0 ug/l	PHF003
				UM18	N-Nitrosodi-N-Propylamine	LT 4.40	0 ug/l	PHF003
				PP8A	1,4-Oxathiane	LT 1.35	0 ug/l	GIQ009
				R9D	Lead	LT 5.20	1 ug/l	QSD006
				MM8A	Dichlorodiphenylethane	LT 4.60	-2 ug/l	GPL012
				MM8A	Dichlorodiphenylethane	LT 4.60	-2 ug/l	GPL013
				UM18	Dichlorodiphenylethane	ND 4.70	0 ug/l	PHF003
				MM8A	Dichlorodiphenyltrichloroethane	LT 5.90	-2 ug/l	GPL012
				UM18	Dichlorodiphenyltrichloroethane	ND 9.20	0 ug/l	PHF003
				UN07	Parathion	LT 2.50	-1 ug/l	PGB006
				NN8	Sulfate	1.34	4 ug/l	GJK006
				TT8	Tetrachloroethene	LT 2.76	0 ug/l	GBY006
				UU8	Tetrachloroethene	LT 2.90	0 ug/l	GSH005
				TT8	Trichloroethene	LT 1.31	0 ug/l	GBY006
				UU8	Trichloroethene	LT 2.00	0 ug/l	GSH005
				SS8	Ortho- & Para-Xylene	LT 1.34	0 ug/l	GAX006
				UU8	Ortho- & Para-Xylene	LT 2.40	0 ug/l	GSH005
				R9D	Zinc	2.94	1 ug/l	QSD006
				UM21	1,1,1-Trichloroethane	LT 1.00	0 ug/l	GDX005
				UM21	1,1,2-Trichloroethane	LT 1.00	0 ug/l	GDX005
				UM21	1,1-Dichloroethene	LT 1.00	0 ug/l	GDX005
				UM21	1,1-Dichloroethane	LT 1.00	0 ug/l	GDX005
				UM21	1,2-Dichloroethene	LT 5.00	0 ug/l	GDX005
				UM21	1,2-Dichloroethane	LT 1.00	0 ug/l	GDX005
				UM21	1,2-Dichloropropane	LT 1.00	0 ug/l	GDX005
				UM21	1,3-Dichlorobenzene	LT 1.00	0 ug/l	GDX005
				UM21	1,3-Dichloropropane	LT 4.80	0 ug/l	GDX005
				UM21	m-Xylene	LT 1.00	0 ug/l	GDX005
89115	SW11003	0.2	POND	AV8	m-Xylene	LT 1.32	0 ug/l	GCS024
				UM21	2-Chloroethylvinyl Ether	LT 3.50	0 ug/l	GDX005
				UM21	Acrylonitrile	LT 8.40	0 ug/l	GDX005

Note: Results for some parameters may appear in more than one analytical fraction.

Summary of Analytical Results

Surface Water Samples for Spring 89

Sampling Date	Station Number	Sample Depth (cm)	Sample Type	Method	Analytical Parameters	Results	Units	Sample Number
89115	SW11003	0.2	STRM	UM25	Aldrin	LT 1.30	1 ug/l	GDZ005
				KK8	Aldrin	5.81	-2 ug/l	GEG013
				UM25	Aldrin	LT 1.30	1 ug/l	GEK007
				00	ALKALINITY	4.49	1 ug/l	GE0008
				AX8	Arsenic (filtered)	LT 2.35	0 ug/l	GFI019
				AX8	Arsenic	LT 2.35	0 ug/l	GFI020
				UM25	Atrazine	LT 5.90	0 ug/l	GDZ005
				UM25	Atrazine	LT 5.90	0 ug/l	GEK007
				UH11	Atrazine	LT 4.03	0 ug/l	GEJ013
				P8	Bicycloheptadiene	LT 5.90	0 ug/l	GEI013
				UM21	Bromodichloromethane	LT 1.00	0 ug/l	GDX005
				UM21	Vinyl Chloride	LT 1.20	1 ug/l	GDX005
				UM21	Chloroethane	LT 8.00	0 ug/l	GDX005
				UM21	Benzene	LT 1.00	0 ug/l	GDX005
				AV8	Benzene	LT 1.05	0 ug/l	GCS024
				GG8	Calcium (filtered)	1.84	4 ug/l	GFF005
				GG8	Calcium	1.94	4 ug/l	GFF006
				UM21	Trichlorofluoromethane	LT 1.00	0 ug/l	GDX005
				UM21	Carbon Tetrachloride	LT 1.00	0 ug/l	GDX005
				GG8	Cadmium (filtered)	LT 8.40	0 ug/l	GFF005
				GG8	Cadmium	LT 8.40	0 ug/l	GFF006
				UM21	Methylene Chloride	LT 1.00	0 ug/l	GDX005
				UM21	Bromomethane	LT 1.40	1 ug/l	GDX005
				UM21	Chloromethane	LT 1.20	0 ug/l	GDX005
				UM21	Bromoform	LT 1.10	1 ug/l	GDX005
				UM21	Chloroform	LT 1.00	0 ug/l	GDX005
				HH8A	Chloride	1.40	5 ug/l	GCK024
				KK8	Hexachlorocyclopentadiene	LT 4.80	-2 ug/l	GEG013
				UM25	Hexachlorocyclopentadiene	LT 5.40	1 ug/l	GEK007
				UM21	Chlorobenzene	LT 1.00	0 ug/l	GDX005
				UM25	Chlordane	LT 3.70	1 ug/l	GDZ005
				KK8	Chlordane	1.49	-1 ug/l	GEG013
				UM25	Chlordane	LT 3.70	1 ug/l	GEK007
				UM25	p-Chlorophenylmethyl Sulfide	LT 1.00	1 ug/l	GDZ005

Note: Results for some parameters may appear in more than one analytical fraction.

Summary of Analytical Results

Surface Water Samples for Spring 89

Sampling Date	Station Number	Sample Depth (cm)	Sample Type	Method	Analytical Parameters	Results	Units	Sample Number
89115	SW11003	0.2	POND	UM25	p-Chlorophenylmethyl Sulfide	LT 1.00	1 ug/l	GEK007
				UM25	p-Chlorophenylmethyl Sulfoxide	LT 1.50	1 ug/l	GDZ005
				UM25	p-Chlorophenylmethyl Sulfoxide	LT 1.50	1 ug/l	GEK007
				UM25	p-Chlorophenylmethyl Sulfone	LT 5.30	0 ug/l	GDZ005
				UM25	p-Chlorophenylmethyl Sulfone	LT 5.30	0 ug/l	GEK007
				GG8	Chromium (filtered)	LT 2.40	1 ug/l	GFF005
				GG8	Chromium	LT 2.40	1 ug/l	GFF006
				GG8	Copper (filtered)	LT 2.60	1 ug/l	GFF005
				GG8	Copper	LT 2.60	1 ug/l	GFF006
				TF20	Cyanide	LT 5.00	0 ug/l	GEN008
				AY8	Dibromochloropropane	LT 1.95	-1 ug/l	GEE013
				UM25	Dibromochloropropane	LT 1.20	1 ug/l	GDZ005
				UM25	Dibromochloropropane	LT 1.20	1 ug/l	GEK007
				UM21	Dibromochloromethane	LT 1.00	0 ug/l	GDX005
				UM21	1,4-Dichlorobenzene	LT 2.00	0 ug/l	GDX005
				P8	Dicyclopentadiene	LT 5.00	0 ug/l	GEI013
				UM25	Dicyclopentadiene	LT 5.50	0 ug/l	GDZ005
				UM25	Dicyclopentadiene	LT 5.50	0 ug/l	GEK007
				UM25	Vapona	LT 8.50	0 ug/l	GDZ005
				UM25	Vapona	LT 8.50	0 ug/l	GEK007
				UH11	Vapona	7.27	-1 ug/l	GEJ013
				UM25	Diisopropylmethyl Phosphonate	LT 2.10	1 ug/l	GDZ005
				AT8	Diisopropylmethyl Phosphonate	LT 3.92	-1 ug/l	GEH013
				UM25	Diisopropylmethyl Phosphonate	LT 2.10	1 ug/l	GEK007
				UM25	Dithiane	LT 3.30	0 ug/l	GDZ005
				UM25	Dithiane	LT 3.30	0 ug/l	GEK007
				UM25	Dieldrin	LT 2.60	1 ug/l	GDZ005
				KK8	Dieldrin	LT 5.00	-2 ug/l	GEG013
				UM25	Dieldrin	LT 2.60	1 ug/l	GEK007
				UM21	Acetone	LT 8.00	0 ug/l	GDX005
				UM25	Dimethylmethyl Phosphate	LT 1.30	2 ug/l	GDZ005
				AT8	Dimethylmethyl Phosphate	LT 1.86	-1 ug/l	GEH013
				UM25	Dimethylmethyl Phosphate	LT 1.30	2 ug/l	GEK007
				UM25	Endrin	LT 1.80	1 ug/l	GDZ005

Note: Results for some parameters may appear in more than one analytical fraction.

Summary of Analytical Results

Surface Water Samples for Spring 89

Sampling Date	Station Number	Sample Depth (cm)	Sample Type	Method	Analytical Parameters	Results	Units	Sample Number
89115	SW11003	0.2	POND	KK8	Endrin	LT 5.00 -2	ug/l	GEG013
				UM25	Endrin	LT 1.80 1	ug/l	GEK007
				UM21	Ethylbenzene	LT 1.00 0	ug/l	GDX005
				AV8	Ethylbenzene	LT 1.37 0	ug/l	GCS024
				HH8A	Fluoride	8.68 2	ug/l	GCK024
				CC8	Mercury (filtered)	LT 1.00 -1	ug/l	GCN045
				CC8	Mercury	LT 1.00 -1	ug/l	GCN046
				UM25	Isodrin	LT 7.80 0	ug/l	GDZ005
				KK8	Isodrin	LT 5.10 -2	ug/l	GEG013
				UM25	Isodrin	LT 7.80 0	ug/l	GEK007
				GG8	Potassium (filtered)	4.81 3	ug/l	GFF005
				GG8	Potassium	5.13 3	ug/l	GFF006
				UM21	Toluene	LT 1.00 0	ug/l	GDX005
				AV8	Toluene	LT 1.47 0	ug/l	GCS024
				UM21	Methylethyl Ketone	LT 1.00 1	ug/l	GDX005
				GG8	Magnesium (filtered)	1.71 3	ug/l	GFF005
				GG8	Magnesium	1.91 3	ug/l	GFF006
				UM21	Methylisobutyl Ketone	LT 1.40 0	ug/l	GDX005
				P8	Methylisobutyl Ketone	LT 4.90 0	ug/l	GEI013
				UM25	Malathion	LT 2.10 1	ug/l	GDZ005
				UM25	Malathion	LT 2.10 1	ug/l	GEK007
				UH11	Malathion	LT 3.73 -1	ug/l	GEJ013
				GG8	Sodium (filtered)	1.30 5	ug/l	GFF005
				GG8	Sodium	1.40 5	ug/l	GFF006
				LL8	Nitrite,Nitrate - Non specific	3.20 2	ug/l	GCL023
				UM25	1,4-Oxathiane	LT 2.70 1	ug/l	GDZ005
				UM25	1,4-Oxathiane	LT 2.70 1	ug/l	GEK007
				GG8	Lead (filtered)	LT 7.40 1	ug/l	GFF005
				GG8	Lead	LT 7.40 1	ug/l	GFF006
				UM25	Dichlorodiphenylethane	LT 1.40 1	ug/l	GDZ005
				KK8	Dichlorodiphenylethane	LT 5.40 -2	ug/l	GEG013
				UM25	Dichlorodiphenylethane	LT 1.40 1	ug/l	GEK007
				UM25	Dichlorodiphenyltrichloro-ethane	LT 1.80 1	ug/l	GDZ005

Summary of Analytical Results

Surface Water Samples for Spring 89

Sampling Date	Station Number	Sample Depth (cm)	Sample Type	Method	Analytical Parameters	Results	Units	Sample Number
89115	SW11003	0.2	POND	KK8	Dichlorodiphenyltrichloroethane	5.52 -2	ug/l	GEG013
				UM25	Dichlorodiphenyltrichloroethane	LT 1.80 1	ug/l	GEK007
				UM25	Parathion	LT 3.70 1	ug/l	GDZ005
				UM25	Parathion	LT 3.70 1	ug/l	GEK007
				UH11	Parathion	LT 6.47 -1	ug/l	GEJ013
				HH8A	Sulfate	2.70 4	ug/l	GCK024
				UM25	2-Chloro-1(2,4-Dichlorophenyl) Vinyl-diethyl Phosphates	LT 1.90 1	ug/l	GDZ005
				UM25	2-Chloro-1(2,4-Dichlorophenyl) Vinyl-diethyl Phosphates	LT 1.90 1	ug/l	GEK007
				UH11	2-Chloro-1(2,4-Dichlorophenyl) Vinyl-diethyl Phosphates	LT 7.87 -1	ug/l	GEJ013
				UM21	1,1,2,2-Tetrachloroethane	LT 1.50 0	ug/l	GDX005
				UM21	Tetrachloroethene	LT 1.00 0	ug/l	GDX005
				UM21	Trichloroethene	LT 1.00 0	ug/l	GDX005
				UM21	Ortho- & Para-Xylene	LT 2.00 0	ug/l	GDX005
				AV8	Ortho- & Para-Xylene	LT 1.36 0	ug/l	GCS024
				GG8	Zinc (filtered)	LT 2.20 1	ug/l	GFF005
				GG8	Zinc	LT 2.20 1	ug/l	GFF006
89115	SW11003	5.0	POND	AAA8	Benzothiazole	LT 5.00 0	ug/l	GEF013
				AAA8	p-Chlorophenylmethyl Sulfide	LT 5.69 0	ug/l	GEF013
				AAA8	p-Chlorophenylmethyl Sulfoxide	LT 1.15 1	ug/l	GEF013
				AAA8	p-Chlorophenylmethyl Sulfone	LT 7.46 0	ug/l	GEF013
				AAA8	Dithiane	LT 1.34 0	ug/l	GEF013
				AAA8	Dimethyldisulfide	LT 5.50 -1	ug/l	GEF013
				AAA8	1,4-Oxathiane	LT 2.38 0	ug/l	GEF013
89110	SW12001	0.1	DTCH	AV8	m-Xylene	LT 1.32 0	ug/l	GCS014
				KK8	Aldrin	LT 5.00 -2	ug/l	GCY016
				UM25	Aldrin	LT 1.30 1	ug/l	GDV007
				00	ALKALINITY	2.66 2	ug/l	GCJ014
				AX8	Arsenic (filtered)	LT 2.35 0	ug/l	GCM025

Note: Results for some parameters may appear in more than one analytical fraction.

Summary of Analytical Results

Surface Water Samples for Spring 89

Sampling Date	Station Number	Sample Depth (cm)	Sample Type	Method	Analytical Parameters	Results	Units	Sample Number
89110	SW12001	0.1	DTCH	AX8	Arsenic	LT 2.35	0 ug/l	GCM026
				UH11	Atrazine	LT 4.03	0 ug/l	GCW014
				UM25	Atrazine	LT 5.90	0 ug/l	GDV007
				P8	Bicycloheptadiene	LT 5.90	0 ug/l	GCV014
				AAA8	Benzothiazole	LT 5.00	0 ug/l	GCZ016
				AV8	Benzene	LT 1.05	0 ug/l	GCS014
				GG8	Calcium (filtered)	7.58	4 ug/l	GEP005
				GG8	Calcium	7.56	4 ug/l	GEP006
				GG8	Cadmium (filtered)	LT 8.40	0 ug/l	GEP005
				GG8	Cadmium	LT 8.40	0 ug/l	GEP006
				HH8A	Chloride	3.60	4 ug/l	GCK014
				KK8	Hexachlorocyclopentadiene	LT 4.80	-2 ug/l	GCY016
				UM25	Hexachlorocyclopentadiene	LT 5.40	1 ug/l	GDV007
				KK8	Chlordane	LT 9.50	-2 ug/l	GCY016
				UM25	Chlordane	LT 3.70	1 ug/l	GDV007
				AAA8	p-Chlorophenylmethyl Sulfide	LT 5.69	0 ug/l	GCZ016
				UM25	p-Chlorophenylmethyl Sulfide	LT 1.00	1 ug/l	GDV007
				AAA8	p-Chlorophenylmethyl Sulfoxide	LT 1.15	1 ug/l	GCZ016
				UM25	p-Chlorophenylmethyl Sulfoxide	LT 1.50	1 ug/l	GDV007
				AAA8	p-Chlorophenylmethyl Sulfone	LT 7.46	0 ug/l	GCZ016
				UM25	p-Chlorophenylmethyl Sulfone	LT 5.30	0 ug/l	GDV007
				GG8	Chromium (filtered)	LT 2.40	1 ug/l	GEP005
				GG8	Chromium	LT 2.40	1 ug/l	GEP006
				GG8	Copper (filtered)	LT 2.60	1 ug/l	GEP005
				GG8	Copper	LT 2.60	1 ug/l	GEP006
				TF20	Cyanide	6.91	0 ug/l	GCR014
				AY8	Dibromochloropropane	LT 1.95	-1 ug/l	GDA016
				UM25	Dibromochloropropane	LT 1.20	1 ug/l	GDV007
				P8	Dicyclopentadiene	LT 5.00	0 ug/l	GCV014
				UM25	Dicyclopentadiene	LT 5.50	0 ug/l	GDV007
				UH11	Vapona	LT 3.84	-1 ug/l	GCW014
				UM25	Vapona	LT 8.50	0 ug/l	GDV007
				AT8	Diisopropylmethyl Phosphonate	LT 3.92	-1 ug/l	GCX016
				UM25	Diisopropylmethyl Phosphonate	LT 2.10	1 ug/l	GDV007

Note: Results for some parameters may appear in more than one analytical fraction.

Summary of Analytical Results

Surface Water Samples for Spring 89

Sampling Date	Station Number	Sample Depth (cm)	Sample Type	Method	Analytical Parameters	Results	Units	Sample Number
89110	SW12001	0.1	DTCH	AA08	Dithiane	LT 1.34	0 ug/l	GCZ016
				UM25	Dithiane	LT 3.30	0 ug/l	GDV007
				KK8	Dieldrin	LT 5.00	-2 ug/l	GCY016
				UM25	Dieldrin	LT 2.60	1 ug/l	GDV007
				AA08	Dimethyldisulfide	LT 5.50	-1 ug/l	GCZ016
				AT8	Dimethylmethyl Phosphate	LT 1.88	-1 ug/l	GCX016
				UM25	Dimethylmethyl Phosphate	LT 1.30	2 ug/l	GDV007
				KK8	Endrin	LT 5.00	-2 ug/l	GCY016
				UM25	Endrin	LT 1.80	1 ug/l	GDV007
				AV8	Ethylbenzene	LT 1.37	0 ug/l	GCS014
				HH8A	Fluoride	1.40	3 ug/l	GCK014
				CC8	Mercury (filtered)	LT 1.00	-1 ug/l	GCH025
				CC8	Mercury	LT 1.00	-1 ug/l	GCH026
				KK8	Isodrin	LT 5.10	-2 ug/l	GCY016
				UM25	Isodrin	LT 7.80	0 ug/l	GDV007
				GG8	Potassium (filtered)	2.95	3 ug/l	GEP005
				GG8	Potassium	3.02	3 ug/l	GEP006
				AV8	Toluene	LT 1.47	0 ug/l	GCS014
				GG8	Magnesium (filtered)	2.27	4 ug/l	GEP005
				GG8	Magnesium	2.28	4 ug/l	GEP006
				P8	Methylisobutyl Ketone	LT 4.90	0 ug/l	GCV014
				UM25	Malathion	LT 2.10	1 ug/l	GDV007
				GG8	Sodium (filtered)	7.66	4 ug/l	GEP005
				GG8	Sodium	7.66	4 ug/l	GEP006
				LL8	Nitrite,Nitrate - Non specific	3.50	3 ug/l	GCL014
				AA08	1,4-Oxathiane	LT 2.38	0 ug/l	GCZ016
				UM25	1,4-Oxathiane	LT 2.70	1 ug/l	GDV007
				GG8	Lead (filtered)	LT 7.40	1 ug/l	GEP005
				GG8	Lead	LT 7.40	1 ug/l	GEP006
				KK8	Dichlorodiphenylethane	LT 5.40	-2 ug/l	GCY016
				UM25	Dichlorodiphenylethane	LT 1.40	1 ug/l	GDV007
				KK8	Dichlorodiphenyltrichloro-ethane	LT 4.90	-2 ug/l	GCY016
				UM25	Dichlorodiphenyltrichloro-ethane	LT 1.80	1 ug/l	GDV007

Note: Results for some parameters may appear in more than one analytical fraction.

Summary of Analytical Results

Surface Water Samples for Spring 89

Sampling Date	Station Number	Sample Depth (cm)	Sample Type	Method	Analytical Parameters	Results	Units	Sample Number
89110	SW12001	0.1	DTCH	UM25	Parathion	LT 3.70	1 ug/l	GDV007
				HH8A	Sulfate	1.10	5 ug/l	GCK014
				UM25	2-Chloro-1(2,4-Dichlorophenyl) Vinyl-diethyl Phosphates	LT 1.90	1 ug/l	GDV007
				AV8	Ortho- & Para-Xylene	LT 1.36	0 ug/l	GCS014
				GG8	Zinc (filtered)	4.57	1 ug/l	GEP005
				GG8	Zinc	LT 2.20	1 ug/l	GEP006
89125	SW12002	0.2	DTCH	HH8A	Chloride	7.40	2 ug/l	GKP016
				HH8A	Fluoride	LT 4.82	2 ug/l	GKP016
				HH8A	Sulfate	2.49	3 ug/l	GKP016
89110	SW12003	0.1	POND	AV8	m-Xylene	LT 1.32	0 ug/l	GCS013
				KK8	Aldrin	LT 5.00	-2 ug/l	GCY015
				UM25	Aldrin	LT 1.30	1 ug/l	GDV008
				00	ALKALINITY	3.09	2 ug/l	GCJ013
				AX8	Arsenic (filtered)	2.77	0 ug/l	GCM023
				AX8	Arsenic	3.11	0 ug/l	GCM024
				UH11	Atrazine	LT 4.03	0 ug/l	GCW013
				UM25	Atrazine	LT 5.90	0 ug/l	GDV008
				P8	Bicycloheptadiene	LT 5.90	0 ug/l	GCY013
				AAAB	Benzothiazole	LT 5.00	0 ug/l	GCZ015
				AV8	Benzene	LT 1.05	0 ug/l	GCS013
				GG8	Calcium (filtered)	1.10	5 ug/l	GC0023
				GG8	Calcium	1.00	5 ug/l	GC0024
				GG8	Cadmium (filtered)	LT 8.40	0 ug/l	GC0023
				GG8	Cadmium	LT 8.40	0 ug/l	GC0024
				HH8A	Chloride	6.00	4 ug/l	GCK013
				KK8	Hexachlorocyclopentadiene	LT 4.80	-2 ug/l	GCY015
				UM25	Hexachlorocyclopentadiene	LT 5.40	1 ug/l	GDV008
				KK8	Chlordane	LT 9.50	-2 ug/l	GCY015
				UM25	Chlordane	LT 3.70	1 ug/l	GDV008
				AAAB	p-Chlorophenylmethyl Sulfide	LT 5.69	0 ug/l	GCZ015
				UM25	p-Chlorophenylmethyl Sulfide	LT 1.00	1 ug/l	GDV008
				AAAB	p-Chlorophenylmethyl Sulfoxide	LT 1.15	1 ug/l	GCZ015

Summary of Analytical Results

Surface Water Samples for Spring 89

Sampling Date	Station Number	Sample Depth (cm)	Sample Type	Method	Analytical Parameters	Results	Units	Sample Number
89110	SW12003	0.1	POND	UM25	p-Chlorophenylmethyl Sulfoxide	LT 1.50	1 ug/l	GDV008
				AAA8	p-Chlorophenylmethyl Sulfone	LT 7.46	0 ug/l	GCZ015
				UM25	p-Chlorophenylmethyl Sulfone	LT 5.30	0 ug/l	GDV008
				GG8	Chromium (filtered)	LT 2.40	1 ug/l	GC0023
				GG8	Chromium	LT 2.40	1 ug/l	GC0024
				GG8	Copper (filtered)	LT 2.60	1 ug/l	GC0023
				GG8	Copper	LT 2.60	1 ug/l	GC0024
				TF20	Cyanide	LT 5.00	0 ug/l	GCR013
				AY8	Dibromochloropropane	LT 1.95	-1 ug/l	GDA015
				UM25	Dibromochloropropane	LT 1.20	1 ug/l	GDV008
				P8	Dicyclopentadiene	LT 5.00	0 ug/l	GCV013
				UM25	Dicyclopentadiene	LT 5.50	0 ug/l	GDV008
				UH11	Vapona	LT 3.84	-1 ug/l	GCW013
				UM25	Vapona	LT 8.50	0 ug/l	GDV008
				AT8	Diisopropylmethyl Phosphonate	LT 3.92	-1 ug/l	GCX015
				UM25	Diisopropylmethyl Phosphonate	LT 2.10	1 ug/l	GDV008
				AAA8	Dithiane	LT 1.34	0 ug/l	GCZ015
				UM25	Dithiane	LT 3.30	0 ug/l	GDV008
				KK8	Dieldrin	LT 5.00	-2 ug/l	GCY015
				UM25	Dieldrin	LT 2.60	1 ug/l	GDV008
				AAA8	Dimethyldisulfide	LT 5.50	-1 ug/l	GCZ015
				AT8	Dimethylmethyl Phosphate	LT 1.68	-1 ug/l	GCX015
				UM25	Dimethylmethyl Phosphate	LT 1.30	2 ug/l	GDV008
				KK8	Endrin	5.86	-2 ug/l	GCY015
				UM25	Endrin	LT 1.80	1 ug/l	GDV008
				AV8	Ethylbenzene	LT 1.37	0 ug/l	GCS013
				HH8A	Fluoride	1.84	3 ug/l	GCK013
				CC8	Mercury (filtered)	LT 1.00	-1 ug/l	GCN023
				CC8	Mercury	LT 1.00	-1 ug/l	GCN024
				KK8	Isodrin	LT 5.10	-2 ug/l	GCY015
				UM25	Isodrin	LT 7.80	0 ug/l	GDV008
				GG8	Potassium (filtered)	1.20	4 ug/l	GC0023
				GG8	Potassium	1.20	4 ug/l	GC0024
				AV8	Toluene	LT 1.47	0 ug/l	GCS013

Note: Results for some parameters may appear in more than one analytical fraction.

Summary of Analytical Results

Surface Water Samples for Spring 89

Sampling Date	Station Number	Sample Depth (cm)	Sample Type	Method	Analytical Parameters	Results	Units	Sample Number
89110	SW12003	0.1	POND	GG8	Magnesium (filtered)	4.25	4 ug/l	GC0023
				GG8	Magnesium	4.54	4 ug/l	GC0024
				P8	Methylisobutyl Ketone	LT 4.90	0 ug/l	GCV013
				UM25	Malathion	LT 2.10	1 ug/l	GDV008
				GG8	Sodium (filtered)	1.10	5 ug/l	GC0023
				GG8	Sodium	1.10	5 ug/l	GC0024
				LL8	Nitrite, Nitrate - Non specific	3.90	2 ug/l	GCL013
				AA8	1,4-Oxathiane	LT 2.38	0 ug/l	GCZ015
				UM25	1,4-Oxathiane	LT 2.70	1 ug/l	GDV008
				GG8	Lead (filtered)	LT 7.40	1 ug/l	GC0023
				GG8	Lead	LT 7.40	1 ug/l	GC0024
				KK8	Dichlorodiphenylethane	LT 5.40	-2 ug/l	GCY015
				UM25	Dichlorodiphenylethane	LT 1.40	1 ug/l	GDV008
				KK8	Dichlorodiphenyltrichloroethane	LT 4.90	-2 ug/l	GCY015
				UM25	Dichlorodiphenyltrichloroethane	LT 1.80	1 ug/l	GDV008
				UM25	Parathion	LT 3.70	1 ug/l	GDV008
				HH8A	Sulfate	2.40	5 ug/l	GCK013
				UM25	2-Chloro-1(2,4-Dichlorophenyl) Vinyl-diethyl Phosphates	LT 1.90	1 ug/l	GDV008
				AV8	Ortho- & Para-Xylene	LT 1.36	0 ug/l	GCS013
				GG8	Zinc (filtered)	3.69	1 ug/l	GC0023
				GG8	Zinc	LT 2.20	1 ug/l	GC0024
89110	SW12003B	0.1	POND	NN9	1,1,1-Trichloroethane	LT 8.80	-2 ug/l	GDJ008
				NN9	1,1,2-Trichloroethane	LT 2.60	-1 ug/l	GDJ008
				NN9	1,1-Dichloroethene	LT 2.40	-1 ug/l	GDJ008
				NN9	1,1-Dichloroethane	LT 7.40	-2 ug/l	GDJ008
				NN9	1,2-Dichloroethene	LT 2.60	-1 ug/l	GDJ008
				NN9	1,2-Dichloroethane	LT 8.50	-2 ug/l	GDJ008
				AA9	m-Xylene	LT 2.60	-1 ug/l	GDH008
				B9	Arsenic	4.67	0 ug/l	GDM010
				LH15	Atrazine	8.85	-1 ug/l	GDF007
				ZZ9	Bicycloheptadiene	LT 5.08	0 ug/l	IKX010

Note: Results for some parameters may appear in more than one analytical fraction.

Summary of Analytical Results

Surface Water Samples for Spring 89

Sampling Date	Station Number	Sample Depth (cm)	Sample Type	Method	Analytical Parameters	Results	Units	Sample Number
89110	SW12003B	0.1	POND	HH9	Benzothiazole	LT 2.04	0 ug/l	GDC010
				AA9	Benzene	LT 8.50	-2 ug/l	GDH008
				NN9	Carbon Tetrachloride	LT 1.20	-1 ug/l	GDJ008
				P9	Cadmium	1.71	0 ug/l	GDK010
				NN9	Methylene Chloride	LT 3.70	0 ug/l	GDJ008
				NN9	Chloroform	LT 6.80	-2 ug/l	GDJ008
				NN9	Chlorobenzene	LT 2.00	-1 ug/l	GDJ008
				HH9	p-Chlorophenylmethyl Sulfide	LT 4.40	0 ug/l	GDC010
				HH9	p-Chlorophenylmethyl Sulfoxide	2.38	1 ug/l	GDC010
				HH9	p-Chlorophenylmethyl Sulfone	LT 9.01	0 ug/l	GDC010
				P9	Chromium	1.59	1 ug/l	GDK010
				P9	Copper	1.92	1 ug/l	GDK010
				S9	Dibromochloropropane	LT 5.00	-3 ug/l	GDB010
				ZZ9	Dicyclopentadiene	LT 5.12	0 ug/l	IKX010
				LH15	Vapona	LT 8.00	-2 ug/l	GDF007
				TT9	Diisopropylmethyl Phosphonate	LT 1.14	-1 ug/l	KST009
				HH9	Dithiane	LT 1.45	0 ug/l	GDC010
				HH9	Dimethyldisulfide	LT 3.12	0 ug/l	GDC010
				TT9	Dimethylmethyl Phosphate	LT 1.33	-1 ug/l	KST009
				AA9	Ethylbenzene	LT 1.60	-1 ug/l	GDH008
				AAA9	Fluoroacetic Acid	LT 2.00	0 ug/l	KRR012
				Y9	Mercury	LT 5.00	-2 ug/l	GDL010
				AAA9	Isopropylmethyl Phosphonic Acid	LT 2.11	0 ug/l	KRR012
				AA9	Toluene	LT 1.90	-1 ug/l	GDH008
				ZZ9	Methylisobutyl Ketone	LT 5.24	0 ug/l	IKX010
				LH15	Malathion	LT 1.26	-1 ug/l	GDF007
				HH9	1,4-Oxathiane	LT 1.74	0 ug/l	GDC010
				P9	Lead	1.19	2 ug/l	GDK010
				LH15	Parathion	LT 1.59	-1 ug/l	GDF007
				LH15	2-Chloro-1(2,4-Dichlorophenyl) Vinyl-diethyl Phosphates	LT 1.48	-1 ug/l	GDF007
				NN9	Tetrachloroethene	LT 2.70	-1 ug/l	GDJ008
				NN9	Trichloroethene	LT 1.40	-1 ug/l	GDJ008

Note: Results for some parameters may appear in more than one analytical fraction.

Summary of Analytical Results

Surface Water Samples for Spring 89

Sampling Date	Station Number	Sample Depth (cm)	Sample Type	Method	Analytical Parameters	Results	Units	Sample Number
89110	SW12003B	0.1	POND	AA9	Ortho- & Para-Xylene	LT 3.90	-1 ug/l	GDM008
				P9	Zinc	7.75	1 ug/l	GDM010
89109	SW12004	0.1	STSW	AV8	m-Xylene	LT 1.32	0 ug/l	GCS010
				KK8	Aldrin	LT 5.00	-2 ug/l	GCV012
				UM25	Aldrin	LT 1.30	1 ug/l	GDV004
				00	ALKALINITY	7.54	1 ug/l	GCI010
				AX8	Arsenic (filtered)	LT 2.35	0 ug/l	GCM017
				AX8	Arsenic	LT 2.35	0 ug/l	GCM018
				UH11	Atrazine	LT 4.03	0 ug/l	GCW010
				UM25	Atrazine	LT 5.90	0 ug/l	GDV004
				P8	Bicycloheptadiene	LT 5.90	0 ug/l	GCV010
				AAA8	Benzothiazole	LT 5.00	0 ug/l	GCZ012
				AV8	Benzene	LT 1.05	0 ug/l	GCS010
				GG8	Calcium (filtered)	3.05	4 ug/l	GC0017
				GG8	Calcium	2.97	4 ug/l	GC0018
				GG8	Cadmium (filtered)	LT 8.40	0 ug/l	GC0017
				GG8	Cadmium	LT 8.40	0 ug/l	GC0018
				HH8A	Chloride	1.50	4 ug/l	GCK010
				KK8	Hexachlorocyclopentadiene	LT 4.80	-2 ug/l	GCV012
				UM25	Hexachlorocyclopentadiene	LT 5.40	1 ug/l	GDV004
				KK8	Chlordane	LT 9.50	-2 ug/l	GCV012
				UM25	Chlordane	LT 3.70	1 ug/l	GDV004
				AAA8	p-Chlorophenylmethyl Sulfide	LT 5.69	0 ug/l	GCZ012
				UM25	p-Chlorophenylmethyl Sulfide	LT 1.00	1 ug/l	GDV004
				AAA8	p-Chlorophenylmethyl Sulfoxide	3.59	1 ug/l	GCZ012
				UM25	p-Chlorophenylmethyl Sulfoxide	LT 1.50	1 ug/l	GDV004
				AAA8	p-Chlorophenylmethyl Sulfone	LT 7.46	0 ug/l	GCZ012
				UM25	p-Chlorophenylmethyl Sulfone	LT 5.30	0 ug/l	GDV004
				GG8	Chromium (filtered)	LT 2.40	1 ug/l	GC0017
				GG8	Chromium	LT 2.40	1 ug/l	GC0018
				GG8	Copper (filtered)	LT 2.60	1 ug/l	GC0017
				GG8	Copper	LT 2.60	1 ug/l	GC0018
				TF20	Cyanide	LT 5.00	0 ug/l	GCR010

Note: Results for some parameters may appear in more than one analytical fraction.

Summary of Analytical Results

Surface Water Samples for Spring 89

Sampling Date	Station Number	Sample Depth (cm)	Sample Type	Method	Analytical Parameters	Results	Units	Sample Number
89109	SW12004	0.1	STRM	AY8	Dibromochloropropane	LT 1.95 -1	ug/l	GDA012
				UM25	Dibromochloropropane	LT 1.20 1	ug/l	GDV004
				P8	Dicyclopentadiene	LT 5.00 0	ug/l	GCV010
				UM25	Dicyclopentadiene	LT 5.50 0	ug/l	GDV004
				UM11	Vapona	LT 3.84 -1	ug/l	GCW010
				UM25	Vapona	LT 8.50 0	ug/l	GDV004
				AT8	Diisopropylmethyl Phosphonate	LT 3.92 -1	ug/l	GCX012
				UM25	Diisopropylmethyl Phosphonate	LT 2.10 1	ug/l	GDV004
				AAAB	Dithiane	LT 1.34 0	ug/l	GCZ012
				UM25	Dithiane	LT 3.30 0	ug/l	GDV004
				KK8	Dieldrin	LT 5.00 -2	ug/l	GCY012
				UM25	Dieldrin	LT 2.60 1	ug/l	GDV004
				AAAB	Dimethyldisulfide	LT 5.50 -1	ug/l	GCZ012
				AT8	Dimethylmethyl Phosphate	LT 1.88 -1	ug/l	GCX012
				UM25	Dimethylmethyl Phosphate	LT 1.30 2	ug/l	GDV004
				KK8	Endrin	LT 5.00 -2	ug/l	GCY012
				UM25	Endrin	LT 1.80 1	ug/l	GDV004
				AV8	Ethylbenzene	LT 1.37 0	ug/l	GCS010
				HH8A	Fluoride	1.81 3	ug/l	GCK010
				CC8	Mercury (filtered)	LT 1.00 -1	ug/l	GCN017
				CC8	Mercury	LT 1.00 -1	ug/l	GCN018
				KK8	Isodrin	LT 5.10 -2	ug/l	GCY012
				UM25	Isodrin	LT 7.80 0	ug/l	GDV004
				GG8	Potassium (filtered)	1.00 4	ug/l	GC0017
				GG8	Potassium	1.06 4	ug/l	GC0018
				AV8	Toluene	LT 1.47 0	ug/l	GCS010
				GG8	Magnesium (filtered)	5.23 3	ug/l	GC0017
				GG8	Magnesium	5.46 3	ug/l	GC0018
				P8	Methylisobutyl Ketone	LT 4.90 0	ug/l	GCV010
				UM25	Malathion	LT 2.10 1	ug/l	GDV004
				GG8	Sodium (filtered)	1.92 4	ug/l	GC0017
				GG8	Sodium	1.85 4	ug/l	GC0018
				LL8	Nitrite,Nitrate - Non specific	3.80 2	ug/l	GCL010
				AAAB	1,4-Oxathiane	LT 2.38 0	ug/l	GCZ012

Note: Results for some parameters may appear in more than one analytical fraction.

Summary of Analytical Results

Surface Water Samples for Spring 89

Sampling Date	Station Number	Sample Depth (cm)	Sample Type	Method	Analytical Parameters	Results	Units	Sample Number
89109	SW12004	0.1	STSW	UM25	1,4-Oxathiane	LT 2.70	1 ug/l	GDV004
				GG8	Lead (filtered)	LT 7.40	1 ug/l	GC0017
				GG8	Lead	LT 7.40	1 ug/l	GC0018
				KK8	Dichlorodiphenylethane	LT 5.40	-2 ug/l	GCY012
				UM25	Dichlorodiphenylethane	LT 1.40	1 ug/l	GDV004
				KK8	Dichlorodiphenyltrichloro-ethane	LT 4.90	-2 ug/l	GCY012
				UM25	Dichlorodiphenyltrichloro-ethane	LT 1.80	1 ug/l	GDV004
				UM25	Parathion	LT 3.70	1 ug/l	GDV004
				HH8A	Sulfate	3.60	4 ug/l	GCK010
				UM25	2-Chloro-1(2,4-Dichlorophenyl) Vinyl-diethyl Phosphates	LT 1.90	1 ug/l	GDV004
				AV8	Ortho- & Para-Xylene	LT 1.36	0 ug/l	GCS010
				GG8	Zinc (filtered)	3.51	1 ug/l	GC0017
				GG8	Zinc	8.73	1 ug/l	GC0018
89109	SW12004B	0.1	SURF	NN9	1,1,1-Trichloroethane	LT 8.80	-2 ug/l	GDJ006
				NN9	1,1,2-Trichloroethane	LT 2.60	-1 ug/l	GDJ006
				NN9	1,1-Dichloroethene	LT 2.40	-1 ug/l	GDJ006
				NN9	1,1-Dichloroethane	LT 7.40	-2 ug/l	GDJ006
				NN9	1,2-Dichloroethene	LT 2.60	-1 ug/l	GDJ006
				NN9	1,2-Dichloroethane	LT 8.50	-2 ug/l	GDJ006
				AA9	m-Xylene	LT 2.60	-1 ug/l	GDH006
				B9	Arsenic	LT 2.50	0 ug/l	GDM006
				LH15	Atrazine	1.20	1 ug/l	GDF006
				ZZ9	Bicycloheptadiene	LT 5.08	0 ug/l	IKX006
				HH9	Benzothiazole	LT 2.04	0 ug/l	GDC006
				AA9	Benzene	LT 8.50	-2 ug/l	GDH006
				NN9	Carbon Tetrachloride	LT 1.20	-1 ug/l	GDJ006
				P9	Cadmium	LT 7.40	-1 ug/l	GDK006
				NN9	Methylene Chloride	LT 3.70	0 ug/l	GDJ006
				NN9	Chloroform	LT 6.80	-2 ug/l	GDJ006
				NN9	Chlorobenzene	LT 2.00	-1 ug/l	GDJ006
				HH9	p-Chlorophenylmethyl Sulfide	LT 4.40	0 ug/l	GDC006

Note: Results for some parameters may appear in more than one analytical fraction.

Summary of Analytical Results

Surface Water Samples for Spring 89

Sampling Date	Station Number	Sample Depth (cm)	Sample Type	Method	Analytical Parameters	Results	Units	Sample Number
89109	SW12004B	0.1	SURF	HH9	p-Chlorophenylmethyl Sulfoxide	3.90 2	ug/l	GDC006
				HH9	p-Chlorophenylmethyl Sulfone	LT 9.01 0	ug/l	GDC006
				P9	Chromium	LT 6.50 0	ug/l	GDK006
				P9	Copper	1.20 1	ug/l	GDK006
				S9	Dibromochloropropane	LT 5.00 -3	ug/l	GDB006
				ZZ9	Dicyclopentadiene	LT 5.12 0	ug/l	IKX006
				LH15	Vapona	3.80 0	ug/l	GDF006
				TT9	Diisopropylmethyl Phosphonate	LT 2.28 -1	ug/l	KSS009
				HH9	Dithiane	LT 1.45 0	ug/l	GDC006
				HH9	Dimethyldisulfide	LT 3.12 0	ug/l	GDC006
				TT9	Dimethylmethyl Phosphate	LT 2.66 -1	ug/l	KSS009
				AA9	Ethylbenzene	LT 1.60 -1	ug/l	GDH006
				AAA9	Fluoroacetic Acid	LT 2.00 0	ug/l	KRR008
				Y9	Mercury	LT 5.00 -2	ug/l	GDL006
				AAA9	Isopropylmethyl Phosphonic Acid	LT 2.11 0	ug/l	KRR008
				AA9	Toluene	LT 1.90 -1	ug/l	GDH006
				ZZ9	Methylisobutyl Ketone	LT 5.24 0	ug/l	IKX006
				LH15	Malathion	LT 1.26 -1	ug/l	GDF006
				HH9	1,4-Oxathiane	LT 1.74 0	ug/l	GDC006
				P9	Lead	3.70 1	ug/l	GDK006
				LH15	Parathion	4.27 -1	ug/l	GDF006
				LH15	2-Chloro-1(2,4-Dichlorophenyl) Vinyl-diethyl Phosphates	LT 1.48 -1	ug/l	GDF006
				NN9	Tetrachloroethene	LT 2.70 -1	ug/l	GDJ006
				NN9	Trichloroethene	LT 1.40 -1	ug/l	GDJ006
				AA9	Ortho- & Para-Xylene	LT 3.90 -1	ug/l	GDH006
				P9	Zinc	8.92 1	ug/l	GDK006
89107	SW12005	0.3	STRM	UM21	1,1,1-Trichloroethane	LT 1.00 0	ug/l	GCQ002
				UM21	1,1,2-Trichloroethane	LT 1.00 0	ug/l	GCQ002
				UM21	1,1-Dichloroethene	LT 1.00 0	ug/l	GCQ002
				UM21	1,1-Dichloroethane	LT 1.00 0	ug/l	GCQ002
				UM21	1,2-Dichloroethene	LT 5.00 0	ug/l	GCQ002

Note: Results for some parameters may appear in more than one analytical fraction.

Summary of Analytical Results

Surface Water Samples for Spring 89

Sampling Date	Station Number	Sample Depth (cm)	Sample Type	Method	Analytical Parameters	Results	Units	Sample Number
89107	SW12005	0.3	STRM	UM21	1,2-Dichloroethane	LT 1.00 0	ug/l	GCQ002
				UM21	1,2-Dichloropropane	LT 1.00 0	ug/l	GCQ002
				UM21	1,3-Dichlorobenzene	LT 1.00 0	ug/l	GCQ002
				UM21	1,3-Dichloropropane	LT 4.80 0	ug/l	GCQ002
				UM21	m-Xylene	LT 1.00 0	ug/l	GCQ002
				AV8	m-Xylene	LT 1.32 0	ug/l	GCS005
				UM21	2-Chloroethylvinyl Ether	LT 3.50 0	ug/l	GCQ002
				UM21	Acrylonitrile	LT 8.40 0	ug/l	GCQ002
				KK8	Aldrin	LT 5.00 -2	ug/l	GCY005
				UM25	Aldrin	LT 1.30 1	ug/l	GCT002
				00	ALKALINITY	2.30 2	ug/l	GCJ005
				AX8	Arsenic (filtered)	LT 2.35 0	ug/l	GCM005
				AX8	Arsenic	LT 2.35 0	ug/l	GCM006
				UH11	Atrazine	LT 4.03 0	ug/l	GCW005
				UM25	Atrazine	LT 5.90 0	ug/l	GCT002
				P8	Bicycloheptadiene	LT 5.90 0	ug/l	GCV005
				UM21	Bromodichloromethane	LT 1.00 0	ug/l	GCQ002
				AAAS	Benzothiazole	LT 5.00 0	ug/l	GCZ005
				UM21	Vinyl Chloride	LT 1.20 1	ug/l	GCQ002
				UM21	Chloroethane	LT 8.00 0	ug/l	GCQ002
				UM21	Benzene	LT 1.00 0	ug/l	GCQ002
				AV8	Benzene	LT 1.05 0	ug/l	GCS005
				GG8	Calcium (filtered)	6.56 4	ug/l	GCQ005
				GG8	Calcium	6.55 4	ug/l	GCQ006
				UM21	Trichlorofluoromethane	LT 1.00 0	ug/l	GCQ002
				UM21	Carbon Tetrachloride	LT 1.00 0	ug/l	GCQ002
				GG8	Cadmium (filtered)	LT 8.40 0	ug/l	GCQ005
				GG8	Cadmium	LT 8.40 0	ug/l	GCQ006
				UM21	Methylene Chloride	LT 1.00 0	ug/l	GCQ002
				UM21	Bromomethane	LT 1.40 1	ug/l	GCQ002
				UM21	Chloromethane	LT 1.20 0	ug/l	GCQ002
				UM21	Bromoform	LT 1.10 1	ug/l	GCQ002
				UM21	Chloroform	LT 1.00 0	ug/l	GCQ002
				HH8A	Chloride	3.60 4	ug/l	GCK005

Summary of Analytical Results

Surface Water Samples for Spring 89

Sampling Date	Station Number	Sample Depth (cm)	Sample Type	Method	Analytical Parameters	Results	Units	Sample Number
89107	SW12005	0.3	STRM	KK8	Hexachlorocyclopentadiene	LT 4.80 -2	ug/l	GCY005
				UM25	Hexachlorocyclopentadiene	LT 5.40 1	ug/l	GCT002
				UM21	Chlorobenzene	LT 1.00 0	ug/l	GCQ002
				KK8	Chlordane	LT 9.50 -2	ug/l	GCY005
				UM25	Chlordane	LT 3.70 1	ug/l	GCT002
				AAA8	p-Chlorophenylmethyl Sulfide	LT 5.69 0	ug/l	GCZ005
				UM25	p-Chlorophenylmethyl Sulfide	LT 1.00 1	ug/l	GCT002
				AAA8	p-Chlorophenylmethyl Sulfoxide	LT 1.15 1	ug/l	GCZ005
				UM25	p-Chlorophenylmethyl Sulfoxide	LT 1.50 1	ug/l	GCT002
				AAA8	p-Chlorophenylmethyl Sulfone	LT 7.46 0	ug/l	GCZ005
				UM25	p-Chlorophenylmethyl Sulfone	LT 5.30 0	ug/l	GCT002
				GG8	Chromium (filtered)	LT 2.40 1	ug/l	GC0005
				GG8	Chromium	LT 2.40 1	ug/l	GC0006
				GG8	Copper (filtered)	LT 2.60 1	ug/l	GC0005
				GG8	Copper	LT 2.60 1	ug/l	GC0006
				TF20	Cyanide	LT 5.00 0	ug/l	GCR005
				AY8	Dibromochloropropane	LT 1.95 -1	ug/l	GDA005
				UM25	Dibromochloropropane	LT 1.20 1	ug/l	GCT002
				UM21	Dibromochloromethane	LT 1.00 0	ug/l	GCQ002
				UM21	1,4-Dichlorobenzene	LT 2.00 0	ug/l	GCQ002
				P8	Dicyclopentadiene	LT 5.00 0	ug/l	GCV005
				UM25	Dicyclopentadiene	LT 5.50 0	ug/l	GCT002
				UH11	Vapona	LT 3.84 -1	ug/l	GCW005
				UM25	Vapona	LT 8.50 0	ug/l	GCT002
				AT8	Diisopropylmethyl Phosphonate	LT 3.92 -1	ug/l	GCX005
				UM25	Diisopropylmethyl Phosphonate	LT 2.10 1	ug/l	GCT002
				AAA8	Dithiane	LT 1.34 0	ug/l	GCZ005
				UM25	Dithiane	LT 3.30 0	ug/l	GCT002
				KK8	Dieldrin	LT 5.00 -2	ug/l	GCY005
				UM25	Dieldrin	LT 2.60 1	ug/l	GCT002
				AAA8	Dimethyldisulfide	LT 5.50 -1	ug/l	GCZ005
				UM21	Acetone	LT 8.00 0	ug/l	GCQ002
				AT8	Dimethylmethyl Phosphate	LT 1.88 -1	ug/l	GCX005
				UM25	Dimethylmethyl Phosphate	LT 1.30 2	ug/l	GCT002

Note: Results for some parameters may appear in more than one analytical fraction.

Summary of Analytical Results

Surface Water Samples for Spring 69

Sampling Date	Station Number	Sample Depth (cm)	Sample Type	Method	Analytical Parameters	Results	Units	Sample Number
89107	SW12005	0.3	-STRM	KK8	Endrin	LT 5.00 -2	ug/l	GCY005
				UM25	Endrin	LT 1.80 1	ug/l	GCT002
				UM21	Ethylbenzene	LT 1.00 0	ug/l	GCQ002
				AV8	Ethylbenzene	LT 1.37 0	ug/l	GCS005
				HH8A	Fluoride	1.42 3	ug/l	GCK005
				CC8	Mercury (filtered)	LT 1.00 -1	ug/l	GCN005
				CC8	Mercury	LT 1.00 -1	ug/l	GCN006
				KK8	Isodrin	LT 5.10 -2	ug/l	GCY005
				UM25	Isodrin	LT 7.80 0	ug/l	GCT002
				GG8	Potassium (filtered)	3.31 3	ug/l	GCQ005
				GG8	Potassium	3.11 3	ug/l	GCQ006
				UM21	Toluene	LT 1.00 0	ug/l	GCQ002
				AV8	Toluene	LT 1.47 0	ug/l	GCS005
				UM21	Methylethyl Ketone	LT 1.00 1	ug/l	GCQ002
				GG8	Magnesium (filtered)	2.12 4	ug/l	GCQ005
				GG8	Magnesium	2.17 4	ug/l	GCQ006
				UM21	Methylisobutyl Ketone	LT 1.40 0	ug/l	GCQ002
				P8	Methylisobutyl Ketone	LT 4.90 0	ug/l	GCY005
				UM25	Malathion	LT 2.10 1	ug/l	GCT002
				GG8	Sodium (filtered)	7.13 4	ug/l	GCQ005
				GG8	Sodium	7.20 4	ug/l	GCQ006
				LL8	Nitrite,Nitrate - Non specific	3.00 3	ug/l	GCL005
				AAA8	1,4-Oxathiane	LT 2.38 0	ug/l	GCZ005
				UM25	1,4-Oxathiane	LT 2.70 1	ug/l	GCT002
				GG8	Lead (filtered)	LT 7.40 1	ug/l	GCQ005
				GG8	Lead	LT 7.40 1	ug/l	GCQ006
				KK8	Dichlorodiphenylethane	LT 5.40 -2	ug/l	GCY005
				UM25	Dichlorodiphenylethane	LT 1.40 1	ug/l	GCT002
				KK8	Dichlorodiphenyltrichloro-ethane	LT 4.90 -2	ug/l	GCY005
				UM25	Dichlorodiphenyltrichloro-ethane	LT 1.80 1	ug/l	GCT002
				UM25	Parathion	LT 3.70 1	ug/l	GCT002
				HH8A	Sulfate	1.10 5	ug/l	GCK005

Summary of Analytical Results

Surface Water Samples for Spring 89

Sampling Date	Station Number	Sample Depth (cm)	Sample Type	Method	Analytical Parameters	Results	Units	Sample Number
89107	SW12005	0.3	STRM	UM25	2-Chloro-1(2,4-Dichlorophenyl) Vinyl-diethyl Phosphates	LT 1.90 1	ug/l	GCT002
				UM21	1,1,2,2-Tetrachloroethane	LT 1.50 0	ug/l	GCQ002
				UM21	Tetrachloroethene	LT 1.00 0	ug/l	GCQ002
				UM21	Trichloroethene	LT 1.00 0	ug/l	GCQ002
				UM21	Ortho- & Para-Xylene	LT 2.00 0	ug/l	GCQ002
				AV6	Ortho- & Para-Xylene	LT 1.36 0	ug/l	GCS005
				GG8	Zinc (filtered)	LT 2.20 1	ug/l	GCQ005
				GG8	Zinc	6.44 1	ug/l	GCQ006
89107	SW12005B	0.2	BORE	N9	1,1,1-Trichloroethane	LT 4.30 -1	ug/l	GDI002
				NN9	1,1,1-Trichloroethane	LT 8.80 -2	ug/l	GDJ005
				N9	1,1,2-Trichloroethane	LT 3.90 -1	ug/l	GDI002
				NN9	1,1,2-Trichloroethane	LT 2.60 -1	ug/l	GDJ005
				NN9	1,1-Dichloroethene	LT 2.40 -1	ug/l	GDJ005
				N9	1,1-Dichloroethane	LT 1.70 0	ug/l	GDI002
				NN9	1,1-Dichloroethane	LT 7.40 -2	ug/l	GDJ005
				N9	1,2-Dichloroethene	LT 1.70 0	ug/l	GDI002
				NN9	1,2-Dichloroethene	LT 2.60 -1	ug/l	GDJ005
				N9	1,2-Dichloroethane	LT 5.60 -1	ug/l	GDI002
				NN9	1,2-Dichloroethane	LT 8.50 -2	ug/l	GDJ005
				N9	m-Xylene	LT 7.40 -1	ug/l	GDI002
				AA9	m-Xylene	LT 2.60 -1	ug/l	GDH005
				L9	Aldrin	LT 3.00 -1	ug/l	GDG002
				B9	Arsenic	LT 2.50 0	ug/l	GDM005
				LH15	Atrazine	3.00 0	ug/l	GDF005
				L9	Atrazine	LT 3.00 -1	ug/l	GDG002
				PP9	Bicycloheptadiene	LT 1.10 0	ug/l	GDE005
				N9	Bicycloheptadiene	LT 3.60 -1	ug/l	GDI002
				HH9	Benzo-thiazole	LT 2.04 0	ug/l	GDC005
				N9	Benzene	LT 2.50 -1	ug/l	GDI002
				AA9	Benzene	LT 8.50 -2	ug/l	GDH005
				N9	Carbon Tetrachloride	LT 2.50 -1	ug/l	GDI002
				NN9	Carbon Tetrachloride	LT 1.20 -1	ug/l	GDJ005
				P9	Cadmium	LT 7.40 -1	ug/l	GDK005

Note: Results for some parameters may appear in more than one analytical fraction.

Summary of Analytical Results

Surface Water Samples for Spring 89

Sampling Date	Station Number	Sample Depth (cm)	Sample Type	Method	Analytical Parameters	Results	Units	Sample Number
89107	SW12005B	0.2	BORE	N9	Methylene Chloride	LT 1.50 0	ug/l	GDI002
				NN9	Methylene Chloride	LT 3.70 0	ug/l	GDJ005
				N9	Chloroform	LT 2.90 -1	ug/l	GDI002
				NN9	Chloroform	LT 6.80 -2	ug/l	GDJ005
				L9	Hexachlorocyclopentadiene	LT 6.00 -1	ug/l	GDG002
				N9	Chlorobenzene	LT 1.50 0	ug/l	GDI002
				NN9	Chlorobenzene	LT 2.00 -1	ug/l	GDJ005
				L9	Chlordane	LT 2.00 0	ug/l	GDG002
				L9	p-Chlorophenylmethyl Sulfide	LT 9.00 -1	ug/l	GDG002
				HH9	p-Chlorophenylmethyl Sulfide	LT 4.40 0	ug/l	GDC005
				L9	p-Chlorophenylmethyl Sulfoxide	LT 3.00 -1	ug/l	GDG002
				HH9	p-Chlorophenylmethyl Sulfoxide	GT 2.00 1	ug/l	GDC005
				L9	p-Chlorophenylmethyl Sulfone	LT 3.00 -1	ug/l	GDG002
				HH9	p-Chlorophenylmethyl Sulfone	LT 9.01 0	ug/l	GDC005
				P9	Chromium	LT 6.50 0	ug/l	GDK005
				P9	Copper	LT 4.70 0	ug/l	GDK005
				S9	Dibromochloropropane	LT 5.00 -3	ug/l	GDE005
				N9	Dibromochloropropane	LT 2.40 0	ug/l	GDI002
				L9	Dibromochloropropane	LT 3.00 -1	ug/l	GDG002
				PP9	Dicyclopentadiene	LT 4.50 -1	ug/l	GDE005
				N9	Dicyclopentadiene	LT 6.40 -1	ug/l	GDI002
				L9	Dicyclopentadiene	LT 1.00 0	ug/l	GDG002
				LH15	Vapona	LT 8.00 -2	ug/l	GDF005
				L9	Vapona	LT 3.00 0	ug/l	GDG002
				L9	Diisopropylmethyl Phosphonate	LT 1.00 0	ug/l	GDG002
				TT9	Diisopropylmethyl Phosphonate	LT 2.28 -1	ug/l	KSS006
				L9	Dithiane	LT 4.00 -1	ug/l	GDG002
				HH9	Dithiane	LT 1.45 0	ug/l	GDC005
				L9	Dieldrin	LT 3.00 -1	ug/l	GDG002
				N9	Dimethyldisulfide	LT 2.00 1	ug/l	GDI002
				HH9	Dimethyldisulfide	LT 3.12 0	ug/l	GDC005
				TT9	Dimethylmethyl Phosphate	LT 2.66 -1	ug/l	KSS006
				L9	Endrin	LT 5.00 -1	ug/l	GDG002
				N9	Ethylbenzene	LT 3.80 -1	ug/l	GDI002

Summary of Analytical Results

Surface Water Samples for Spring 89

Sampling Date	Station Number	Sample Depth (cm)	Sample Type	Method	Analytical Parameters	Results	Units	Sample Number
89107	SW12005B	0.2	STRM	AA9	Ethylbenzene	LT 1.60 -1	ug/l	GDH005
				Y9	Mercury	LT 5.00 -2	ug/l	GDL005
				L9	Isodrin	LT 3.00 -1	ug/l	GDG002
				N9	Toluene	LT 2.50 -1	ug/l	GDI002
				AA9	Toluene	LT 1.90 -1	ug/l	GDH005
				PP9	Methylisobutyl Ketone	LT 6.40 -1	ug/l	GDE005
				N9	Methylisobutyl Ketone	LT 7.30 -1	ug/l	GDI002
				LH15	Malathion	LT 1.26 -1	ug/l	GDF005
				L9	Malathion	LT 7.00 -1	ug/l	GDG002
				L9	1,4-Oxathiane	LT 3.00 -1	ug/l	GDG002
				HH9	1,4-Oxathiane	LT 1.74 0	ug/l	GDC005
				P9	Lead	LT 8.40 0	ug/l	GDK005
				L9	Dichlorodiphenylethane	LT 6.00 -1	ug/l	GDG002
				L9	Dichlorodiphenyltrichloroethane	LT 5.00 -1	ug/l	GDG002
				LH15	Parathion	LT 1.59 -1	ug/l	GDF005
				L9	Parathion	LT 9.00 -1	ug/l	GDG002
				LH15	2-Chloro-1(2,4-Dichlorophenyl) Vinyl-diethyl Phosphates	LT 1.46 -1	ug/l	GDF005
				L9	2-Chloro-1(2,4-Dichlorophenyl) Vinyl-diethyl Phosphates	LT 6.00 -1	ug/l	GDG002
				N9	Tetrachloroethene	LT 2.50 -1	ug/l	GDI002
				NN9	Tetrachloroethene	LT 2.70 -1	ug/l	GDJ005
				N9	Trichloroethene	LT 5.40 -1	ug/l	GDI002
				NN9	Trichloroethene	LT 1.40 -1	ug/l	GDJ005
				N9	Ortho- & Para-Xylene	LT 4.90 0	ug/l	GDI002
				AA9	Ortho- & Para-Xylene	LT 3.90 -1	ug/l	GDH005
				P9	Zinc	5.61 1	ug/l	GDK005
89130	SW12005ST	0.2	STRM	TT8	1,1,1-Trichloroethane	LT 1.09 0	ug/l	GBY007
				UU8	1,1,1-Trichloroethane	LT 2.40 0	ug/l	GSH006
				TT8	1,1,2-Trichloroethane	LT 1.63 0	ug/l	GBY007
				UU8	1,1,2-Trichloroethane	LT 1.60 0	ug/l	GSH006
				TT8	1,1-Dichloroethene	LT 1.85 0	ug/l	GBY007

Summary of Analytical Results

Surface Water Samples for Spring 89

Sampling Date	Station Number	Sample Depth (cm)	Sample Type	Method	Analytical Parameters	Results	Units	Sample Number
89130	SW12005ST	0.2	STRM	TT6	1,1-Dichloroethane	LT 1.93 0	ug/l	GBY007
				UU6	1,1-Dichloroethane	LT 1.40 0	ug/l	GSH006
				TT6	1,2-Dichloroethene	LT 1.75 0	ug/l	GBY007
				UU6	1,2-Dichloroethene	LT 3.20 0	ug/l	GSH006
				TT6	1,2-Dichloroethane	LT 2.07 0	ug/l	GBY007
				UU6	1,2-Dichloroethane	LT 7.20 -1	ug/l	GSH006
				UM18	1,3-Dichlorobenzene	LT 1.70 0	ug/l	PHF004
				SS6	m-Xylene	LT 1.04 0	ug/l	GAX007
				UU6	m-Xylene	LT 2.90 0	ug/l	GSH006
				UM18	Aldrin	ND 4.70 0	ug/l	PHF004
				VV6	Arsenic	LT 2.50 0	ug/l	GHO020
				UU6	Bicycloheptadiene	LT 1.80 0	ug/l	GSH006
				PP6A	Benzothiazole	LT 1.14 0	ug/l	GIQ010
				SS6	Benzene	LT 1.92 0	ug/l	GAX007
				UU6	Benzene	LT 2.70 0	ug/l	GSH006
				TT6	Carbon Tetrachloride	LT 1.69 0	ug/l	GBY007
				UU6	Carbon Tetrachloride	LT 4.90 0	ug/l	GSH006
				R9D	Cadmium	LT 5.00 0	ug/l	QSD007
				TT6	Methylene Chloride	LT 2.48 0	ug/l	GBY007
				UU6	Methylene Chloride	ND 5.00 0	ug/l	GSH006
				TT6	Chloroform	LT 1.86 0	ug/l	GBY007
				UU6	Chloroform	LT 1.70 0	ug/l	GSH006
				NN6	Chloride	1.81 4	ug/l	GJK007
				UM18	Hexachlorocyclopentadiene	LT 8.60 0	ug/l	PHF004
				TT6	Chlorobenzene	LT 1.36 0	ug/l	GBY007
				UU6	Chlorobenzene	LT 1.80 0	ug/l	GSH006
				PP6A	p-Chlorophenylmethyl Sulfide	LT 1.06 0	ug/l	GIQ010
				PP6A	p-Chlorophenylmethyl Sulfoxide	LT 1.98 0	ug/l	GIQ010
				PP6A	p-Chlorophenylmethyl Sulfone	LT 2.24 0	ug/l	GIQ010
				R9D	Chromium	LT 2.20 1	ug/l	QSD007
				R9D	Copper	LT 1.00 1	ug/l	QSD007
				TF18	Cyanide	LT 2.50 0	ug/l	LCN006
				Q6	Dibromochloropropane	LT 1.30 -1	ug/l	GKU021
				UU6	Dibromochloropropane	LT 5.60 0	ug/l	GSH006

Note: Results for some parameters may appear in more than one analytical fraction.

Summary of Analytical Results

Surface Water Samples for Spring 89

Sampling Date	Station Number	Sample Depth (cm)	Sample Type	Method	Analytical Parameters	Results	Units	Sample Number
89130	SW12005ST	0.2	STRM	R8	Dicyclopentadiene	LT 9.31 0	ug/l	GXA021
				R8	Dicyclopentadiene	LT 9.31 0	ug/l	GXA022
				U08	Dicyclopentadiene	LT 3.70 0	ug/l	GSH006
				Q08	Diisopropylmethyl Phosphonate	LT 1.01 1	ug/l	QGS007
				PP8A	Dithiane	LT 3.34 0	ug/l	GIQ010
				UM18	Dieldrin	ND 4.70 0	ug/l	PHF004
				PP8A	Dimethyldisulfide	LT 1.16 0	ug/l	GIQ010
				U08	Dimethyldisulfide	LT 3.70 0	ug/l	GSH006
				Q08	Dimethylmethyl Phosphate	LT 1.63 1	ug/l	QGS007
				UM18	Endrin	ND 7.60 0	ug/l	PHF004
				SS8	Ethylbenzene	LT 6.20 -1	ug/l	GAX007
				U08	Ethylbenzene	LT 2.40 0	ug/l	GSH006
				NN8	Fluoride	LT 1.00 3	ug/l	GJK007
				WW8	Mercury	LT 5.00 -1	ug/l	GWA010
				XX8	Potassium	5.05 3	ug/l	DYW007
				SS8	Toluene	LT 2.10 0	ug/l	GAX007
				U08	Toluene	LT 3.50 0	ug/l	GSH006
				R8	Methylisobutyl Ketone	LT 1.29 1	ug/l	GXA021
				R8	Methylisobutyl Ketone	LT 1.29 1	ug/l	GXA022
				U08	Methylisobutyl Ketone	LT 1.20 0	ug/l	GSH006
				TF22	Nitrite,Nitrate - Non specific	1.60 3	ug/l	PCD017
				UM18	N-Nitrosodimethylamine	ND 2.00 0	ug/l	PHF004
				UM18	N-Nitrosodi-N-Propylamine	LT 4.40 0	ug/l	PHF004
				PP8A	1,4-Oxathiane	LT 1.35 0	ug/l	GIQ010
				R9D	Lead	LT 5.20 1	ug/l	QSD007
				UM18	Dichlorodiphenylethane	ND 4.70 0	ug/l	PHF004
				MM8A	Dichlorodiphenyltrichloro-ethane	LT 5.90 -2	ug/l	GPL013
				UM18	Dichlorodiphenyltrichloro-ethane	ND 9.20 0	ug/l	PHF004
				UN07	Parathion	LT 2.50 -1	ug/l	PGB007
				NN8	Sulfate	2.44 4	ug/l	GJK007
				TT8	Tetrachloroethene	LT 2.76 0	ug/l	GBY007
				U08	Tetrachloroethene	LT 2.90 0	ug/l	GSH006

Summary of Analytical Results

Surface Water Samples for Spring 89

Sampling Date	Station Number	Sample Depth (cm)	Sample Type	Method	Analytical Parameters	Results	Units	Sample Number
89130	SW12005ST	0.2	STRM	TT8	Trichloroethene	LT 1.31 0	ug/l	GBY007
				U08	Trichloroethene	LT 2.00 0	ug/l	GSH006
				SS8	Ortho- & Para-Xylene	LT 1.34 0	ug/l	GAX007
				U08	Ortho- & Para-Xylene	LT 2.40 0	ug/l	GSH006
				R90	Zinc	2.73 1	ug/l	QSD007
89138	SW24001	0.0	STP	N8	1,1,1-Trichloroethane	LT 7.60 -1	ug/l	GLY012
				UM21	1,1,1-Trichloroethane	LT 1.00 0	ug/l	GLL009
				N8	1,1,2-Trichloroethane	LT 7.60 -1	ug/l	GLY012
				UM21	1,1,2-Trichloroethane	LT 1.00 0	ug/l	GLL009
				N8	1,1-Dichloroethene	LT 1.70 0	ug/l	GLY012
				UM21	1,1-Dichloroethene	LT 1.00 0	ug/l	GLL009
				N8	1,1-Dichloroethane	LT 7.30 -1	ug/l	GLY012
				UM21	1,1-Dichloroethane	LT 1.00 0	ug/l	GLL009
				N8	1,2-Dichloroethene	LT 7.60 -1	ug/l	GLY012
				UM21	1,2-Dichloroethene	LT 5.00 0	ug/l	GLL009
				N8	1,2-Dichloroethane	LT 1.10 0	ug/l	GLY012
				UM21	1,2-Dichloroethane	LT 1.00 0	ug/l	GLL009
				UM21	1,2-Dichloropropane	LT 1.00 0	ug/l	GLL009
				UM21	1,3-Dichlorobenzene	LT 1.00 0	ug/l	GLL009
				UM21	1,3-Dichloropropane	LT 4.80 0	ug/l	GLL009
				UM21	m-Xylene	LT 1.00 0	ug/l	GLL009
				AV8	m-Xylene	LT 1.32 0	ug/l	GLZ012
				UM21	2-Chloroethylvinyl Ether	LT 3.50 0	ug/l	GLL009
				UM21	Acrylonitrile	LT 8.40 0	ug/l	GLL009
				KK8	Aldrin	LT 5.00 -2	ug/l	GLH013
				UM25	Aldrin	LT 1.30 1	ug/l	GMR003
				00	ALKALINITY	1.48 2	ug/l	GMR010
				AX8	Arsenic (filtered)	2.90 1	ug/l	GLP017
				UH11	Atrazine	LT 4.03 0	ug/l	GLG013
				UM25	Atrazine	LT 5.90 0	ug/l	GMR003
				PS	Bicycloheptadiene	LT 5.90 0	ug/l	GLF018
				UM21	Bromodichloromethane	LT 1.00 0	ug/l	GLL009
				AAAS	Benzothiazole	LT 5.00 0	ug/l	GLJ014

Note: Results for some parameters may appear in more than one analytical fraction.

Summary of Analytical Results

Surface Water Samples for Spring 89

Sampling Date	Station Number	Sample Depth (cm)	Sample Type	Method	Analytical Parameters	Results	Units	Sample Number
89138	SW24001	0.0	STP	UM21	Vinyl Chloride	LT 1.20	1 ug/l	GLL009
				UM21	Chloroethane	LT 8.00	0 ug/l	GLL009
				UM21	Benzene	LT 1.00	0 ug/l	GLL009
				AV8	Benzene	LT 1.05	0 ug/l	GLZ012
				GG8	Calcium (filtered)	3.67	4 ug/l	GL0020
				UM21	Trichlorofluoromethane	LT 1.00	0 ug/l	GLL009
				N8	Carbon Tetrachloride	LT 9.90	-1 ug/l	GLY012
				UM21	Carbon Tetrachloride	LT 1.00	0 ug/l	GLL009
				GG8	Cadmium (filtered)	LT 8.40	0 ug/l	GL0020
				N8	Methylene Chloride	LT 7.40	0 ug/l	GLY012
				UM21	Methylene Chloride	LT 1.00	0 ug/l	GLL009
				UM21	Bromomethane	LT 1.40	1 ug/l	GLL009
				UM21	Chloromethane	LT 1.20	0 ug/l	GLL009
				UM21	Bromoform	LT 1.10	1 ug/l	GLL009
				N8	Chloroform	LT 5.00	-1 ug/l	GLY012
				UM21	Chloroform	LT 1.00	0 ug/l	GLL009
				HH8A	Chloride	4.70	4 ug/l	GLN017
				KK8	Hexachlorocyclopentadiene	LT 4.80	-2 ug/l	GLH013
				UM25	Hexachlorocyclopentadiene	LT 5.40	1 ug/l	GMR003
				N8	Chlorobenzene	LT 8.20	-1 ug/l	GLY012
				UM21	Chlorobenzene	LT 1.00	0 ug/l	GLL009
				KK8	Chlordane	LT 9.50	-2 ug/l	GLH013
				UM25	Chlordane	LT 3.70	1 ug/l	GMR003
				AAA8	p-Chlorophenylmethyl Sulfide	LT 5.69	0 ug/l	GLJ014
				UM25	p-Chlorophenylmethyl Sulfide	LT 1.00	1 ug/l	GMR003
				AAA8	p-Chlorophenylmethyl Sulfoxide	LT 1.15	1 ug/l	GLJ014
				UM25	p-Chlorophenylmethyl Sulfoxide	LT 1.50	1 ug/l	GMR003
				AAA8	p-Chlorophenylmethyl Sulfone	LT 7.46	0 ug/l	GLJ014
				UM25	p-Chlorophenylmethyl Sulfone	LT 5.30	0 ug/l	GMR003
				GG8	Chromium (filtered)	LT 2.40	1 ug/l	GL0020
				GG8	Copper (filtered)	LT 2.60	1 ug/l	GL0020
				TF20	Cyanide	LT 5.00	0 ug/l	GLM006
				AY8	Dibromochloropropane	LT 1.95	-1 ug/l	GLI014
				UM25	Dibromochloropropane	LT 1.20	1 ug/l	GMR003

Summary of Analytical Results

Surface Water Samples for Spring 89

Sampling Date	Station Number	Sample Depth (cm)	Sample Type	Method	Analytical Parameters	Results	Units	Sample Number
89138	SW24001	0.0	STP	UM21	Dibromochloromethane	LT 1.00 0	ug/l	GLL009
				UM21	1,4-Dichlorobenzene	LT 2.00 0	ug/l	GLL009
				P8	Dicyclopentadiene	LT 5.00 0	ug/l	GLF018
				UM25	Dicyclopentadiene	LT 5.50 0	ug/l	GMR003
				UH11	Vapona	LT 3.84 -1	ug/l	GLG013
				UM25	Vapona	LT 8.50 0	ug/l	GMR003
				AT8	Diisopropylmethyl Phosphonate	LT 3.92 -1	ug/l	GLK017
				UM25	Diisopropylmethyl Phosphonate	LT 2.10 1	ug/l	GMR003
				AAAS	Dithiane	LT 1.34 0	ug/l	GLJ014
				UM25	Dithiane	LT 3.30 0	ug/l	GMR003
				KK8	Dieldrin	LT 5.00 -2	ug/l	GLH013
				UM25	Dieldrin	LT 2.60 1	ug/l	GMR003
				AAAS	Dimethyldisulfide	LT 5.50 -1	ug/l	GLJ014
				AT8	Dimethylmethyl Phosphate	LT 1.88 -1	ug/l	GLK017
				UM25	Dimethylmethyl Phosphate	LT 1.30 2	ug/l	GMR003
				KK8	Endrin	LT 5.00 -2	ug/l	GLH013
				UM25	Endrin	LT 1.80 1	ug/l	GMR003
				UM21	Ethylbenzene	LT 1.00 0	ug/l	GLL009
				AV8	Ethylbenzene	LT 1.37 0	ug/l	GLZ012
				HH8A	Fluoride	1.16 3	ug/l	GLN017
				CC8	Mercury (filtered)	LT 1.00 -1	ug/l	GML033
				KK8	Isodrin	LT 5.10 -2	ug/l	GLH013
				UM25	Isodrin	LT 7.80 0	ug/l	GMR003
				GG8	Potassium (filtered)	4.79 3	ug/l	GL0020
				UM21	Toluene	LT 1.00 0	ug/l	GLL009
				AV8	Toluene	LT 1.47 0	ug/l	GLZ012
				UM21	Methylethyl Ketone	LT 1.00 1	ug/l	GLL009
				GG8	Magnesium (filtered)	1.18 4	ug/l	GL0020
				P8	Methylisobutyl Ketone	LT 4.90 0	ug/l	GLF018
				UM21	Methylisobutyl Ketone	LT 1.40 0	ug/l	GLL009
				UH11	Malathion	LT 3.73 -1	ug/l	GLG013
				UM25	Malathion	LT 2.10 1	ug/l	GMR003
				GG8	Sodium (filtered)	7.60 4	ug/l	GL0020
				LL8	Nitrite,Nitrate - Non specific	4.40 3	ug/l	GMZ006

Summary of Analytical Results

Surface Water Samples for Spring 89

Sampling Date	Station Number	Sample Depth (cm)	Sample Type	Method	Analytical Parameters	Results	Units	Sample Number
89138	SW24001	0.0	STP	AAAS	1,4-Oxathiane	LT 2.38 0	ug/l	GLJ014
				UM25	1,4-Oxathiane	LT 2.70 1	ug/l	GMR003
				GG8	Lead (filtered)	LT 7.40 1	ug/l	GL0020
				KK8	Dichlorodiphenylethane	LT 5.40 -2	ug/l	GLH013
				UM25	Dichlorodiphenylethane	LT 1.40 1	ug/l	GMR003
				KK8	Dichlorodiphenyltrichloroethane	LT 4.90 -2	ug/l	GLH013
				UM25	Dichlorodiphenyltrichloroethane	LT 1.80 1	ug/l	GMR003
				UH11	Parathion	LT 6.47 -1	ug/l	GLG013
				UM25	Parathion	LT 3.70 1	ug/l	GMR003
				HH8A	Sulfate	6.90 4	ug/l	GLN017
				UH11	2-Chloro-1(2,4-Dichlorophenyl) Vinyl-diethyl Phosphates	LT 7.87 -1	ug/l	GLG013
				UM25	2-Chloro-1(2,4-Dichlorophenyl) Vinyl-diethyl Phosphates	LT 1.90 1	ug/l	GMR003
				UM21	1,1,2,2-Tetrachloroethane	LT 1.50 0	ug/l	GLL009
				N8	Tetrachloroethene	LT 7.50 -1	ug/l	GLY012
				UM21	Tetrachloroethene	LT 1.00 0	ug/l	GLL009
				N8	Trichloroethene	LT 5.60 -1	ug/l	GLY012
				UM21	Trichloroethene	LT 1.00 0	ug/l	GLL009
				UM21	Ortho- & Para-Xylene	LT 2.00 0	ug/l	GLL009
				AV8	Ortho- & Para-Xylene	LT 1.36 0	ug/l	GLZ012
				GG8	Zinc (filtered)	LT 2.20 1	ug/l	GL0020
89138	SW24001D	0.0	STP	N8	1,1,1-Trichloroethane	LT 7.60 -1	ug/l	GLY013
				UM21	1,1,1-Trichloroethane	LT 1.00 0	ug/l	GLL010
				N8	1,1,2-Trichloroethane	LT 7.80 -1	ug/l	GLY013
				UM21	1,1,2-Trichloroethane	LT 1.00 0	ug/l	GLL010
				N8	1,1-Dichloroethene	LT 1.70 0	ug/l	GLY013
				UM21	1,1-Dichloroethene	LT 1.00 0	ug/l	GLL010
				N8	1,1-Dichloroethane	LT 7.30 -1	ug/l	GLY013
				UM21	1,1-Dichloroethane	LT 1.00 0	ug/l	GLL010
				N8	1,2-Dichloroethene	LT 7.60 -1	ug/l	GLY013
				UM21	1,2-Dichloroethene	LT 5.00 0	ug/l	GLL010

Summary of Analytical Results

Surface Water Samples for Spring 89

Sampling Date	Station Number	Sample Depth (cm)	Sample Type	Method	Analytical Parameters	Results	Units	Sample Number
89138	SW24001D	0.0	STP	N8	1,2-Dichloroethane	LT 1.10 0	ug/l	GLY013
				UM21	1,2-Dichloroethane	LT 1.00 0	ug/l	GLL010
				UM21	1,2-Dichloropropane	LT 1.00 0	ug/l	GLL010
				UM21	1,3-Dichlorobenzene	LT 1.00 0	ug/l	GLL010
				UM21	1,3-Dichloropropane	LT 4.60 0	ug/l	GLL010
				UM21	m-Xylene	LT 1.00 0	ug/l	GLL010
				AV8	m-Xylene	LT 1.32 0	ug/l	GLZ013
				UM21	2-Chloroethylvinyl Ether	LT 3.50 0	ug/l	GLL010
				UM21	Acrylonitrile	LT 6.40 0	ug/l	GLL010
				KK8	Aldrin	LT 5.00 -2	ug/l	GLH014
				UM25	Aldrin	LT 1.30 1	ug/l	GMR004
				00	ALKALINITY	1.48 2	ug/l	GMK011
				AX8	Arsenic	2.58 1	ug/l	GLP018
				UH11	Atrazine	LT 4.03 0	ug/l	GLG014
				UM25	Atrazine	LT 5.90 0	ug/l	GMR004
				P8	Bicycloheptadiene	LT 5.90 0	ug/l	GLF019
				UM21	Bromodichloromethane	LT 1.00 0	ug/l	GLL010
				AAAS	Benzothiazole	LT 5.00 0	ug/l	GLJ015
				UM21	Vinyl Chloride	LT 1.20 1	ug/l	GLL010
				UM21	Chloroethane	LT 8.00 0	ug/l	GLL010
				UM21	Benzene	LT 1.00 0	ug/l	GLL010
				AV8	Benzene	LT 1.05 0	ug/l	GLZ013
				GG8	Calcium	3.64 4	ug/l	GLD021
				UM21	Trichlorofluoromethane	LT 1.00 0	ug/l	GLL010
				N8	Carbon Tetrachloride	LT 9.90 -1	ug/l	GLY013
				UM21	Carbon Tetrachloride	LT 1.00 0	ug/l	GLL010
				GG8	Cadmium	LT 8.40 0	ug/l	GLD021
				N8	Methylene Chloride	LT 7.40 0	ug/l	GLY013
				UM21	Methylene Chloride	LT 1.00 0	ug/l	GLL010
				UM21	Bromomethane	LT 1.40 1	ug/l	GLL010
				UM21	Chloromethane	LT 1.20 0	ug/l	GLL010
				UM21	Bromoform	LT 1.10 1	ug/l	GLL010
				N8	Chloroform	LT 5.00 -1	ug/l	GLY013
				UM21	Chloroform	LT 1.00 0	ug/l	GLL010

Note: Results for some parameters may appear in more than one analytical fraction.

Summary of Analytical Results

Surface Water Samples for Spring 89

Sampling Date	Station Number	Sample Depth (cm)	Sample Type	Method	Analytical Parameters	Results	Units	Sample Number
89138	SW24001D	0.0	STP	HH8A	Chloride	4.60	4 ug/l	GLN018
				KK8	Hexachlorocyclopentadiene	LT 4.80	-2 ug/l	GLH014
				UM25	Hexachlorocyclopentadiene	LT 5.40	1 ug/l	GMR004
				NS	Chlorobenzene	LT 8.20	-1 ug/l	GLY013
				UM21	Chlorobenzene	LT 1.00	0 ug/l	GLL010
				KK8	Chlordane	LT 9.50	-2 ug/l	GLH014
				UM25	Chlordane	LT 3.70	1 ug/l	GMR004
				AAA8	p-Chlorophenylmethyl Sulfide	LT 5.69	0 ug/l	GLJ015
				UM25	p-Chlorophenylmethyl Sulfide	LT 1.00	1 ug/l	GMR004
				AAA8	p-Chlorophenylmethyl Sulfoxide	LT 1.15	1 ug/l	GLJ015
				UM25	p-Chlorophenylmethyl Sulfoxide	LT 1.50	1 ug/l	GMR004
				AAA8	p-Chlorophenylmethyl Sulfone	LT 7.46	0 ug/l	GLJ015
				UM25	p-Chlorophenylmethyl Sulfone	LT 5.30	0 ug/l	GMR004
				GG8	Chromium	LT 2.40	1 ug/l	GL0021
				GG8	Copper	LT 2.60	1 ug/l	GL0021
				TF20	Cyanide	LT 5.00	0 ug/l	GLM007
				AY8	Dibromochloropropane	LT 1.95	-1 ug/l	GLI015
				UM25	Dibromochloropropane	LT 1.20	1 ug/l	GMR004
				UM21	Dibromochloromethane	LT 1.00	0 ug/l	GLL010
				UM21	1,4-Dichlorobenzene	LT 2.00	0 ug/l	GLL010
				P8	Dicyclopentadiene	LT 5.00	0 ug/l	GLF019
				UM25	Dicyclopentadiene	LT 5.50	0 ug/l	GMR004
				UH11	Vapona	LT 3.84	-1 ug/l	GLG014
				UM25	Vapona	LT 8.50	0 ug/l	GMR004
				AT8	Diisopropylmethyl Phosphonate	LT 3.92	-1 ug/l	GLK018
				UM25	Diisopropylmethyl Phosphonate	LT 2.10	1 ug/l	GMR004
				AAA8	Dithiane	LT 1.34	0 ug/l	GLJ015
				UM25	Dithiane	LT 3.30	0 ug/l	GMR004
				KK8	Dieldrin	LT 5.00	-2 ug/l	GLH014
				UM25	Dieldrin	LT 2.60	1 ug/l	GMR004
				AAA8	Dimethyldisulfide	LT 5.50	-1 ug/l	GLJ015
				AT8	Dimethylmethyl Phosphate	LT 1.88	-1 ug/l	GLK018
				UM25	Dimethylmethyl Phosphate	LT 1.30	2 ug/l	GMR004
				KK8	Endrin	LT 5.00	-2 ug/l	GLH014

Summary of Analytical Results

Surface Water Samples for Spring 89

Sampling Date	Station Number	Sample Depth (cm)	Sample Type	Method	Analytical Parameters	Results	Units	Sample Number
89138	SW24001D	0.0	STP	UM25	Endrin	LT 1.80 1	ug/l	GMR004
				UM21	Ethylbenzene	LT 1.00 0	ug/l	GLL010
				AV8	Ethylbenzene	LT 1.37 0	ug/l	GLZ013
				HH8A	Fluoride	1.10 3	ug/l	GLN018
				CC8	Mercury	LT 1.00 -1	ug/l	GML034
				KK8	Isodrin	LT 5.10 -2	ug/l	GLH014
				UM25	Isodrin	LT 7.80 0	ug/l	GMR004
				GG8	Potassium	4.73 3	ug/l	GL0021
				UM21	Toluene	LT 1.00 0	ug/l	GLL010
				AV8	Toluene	LT 1.47 0	ug/l	GLZ013
				UM21	Methylethyl Ketone	LT 1.00 1	ug/l	GLL010
				GG8	Magnesium	1.24 4	ug/l	GL0021
				P8	Methylisobutyl Ketone	LT 4.90 0	ug/l	GLF019
				UM21	Methylisobutyl Ketone	LT 1.40 0	ug/l	GLL010
				UH11	Malathion	LT 3.73 -1	ug/l	GLG014
				UM25	Malathion	LT 2.10 1	ug/l	GMR004
				GG8	Sodium	7.36 4	ug/l	GL0021
				LL8	Nitrite,Nitrate - Non specific	4.40 3	ug/l	GMZ007
				AA8	1,4-Oxathiane	LT 2.38 0	ug/l	GLJ015
				UM25	1,4-Oxathiane	LT 2.70 1	ug/l	GMR004
				GG8	Lead	LT 7.40 1	ug/l	GL0021
				KK8	Dichlorodiphenylethane	LT 5.40 -2	ug/l	GLH014
				UM25	Dichlorodiphenylethane	LT 1.40 1	ug/l	GMR004
				KK8	Dichlorodiphenyltrichloro-ethane	LT 4.90 -2	ug/l	GLH014
				UM25	Dichlorodiphenyltrichloro-ethane	LT 1.80 1	ug/l	GMR004
				UH11	Parathion	LT 6.47 -1	ug/l	GLG014
				UM25	Parathion	LT 3.70 1	ug/l	GMR004
				HH8A	Sulfate	6.90 4	ug/l	GLN018
				UH11	2-Chloro-1(2,4-Dichlorophenyl) Vinyl-diethyl Phosphates	LT 7.87 -1	ug/l	GLG014
				UM25	2-Chloro-1(2,4-Dichlorophenyl) Vinyl-diethyl Phosphates	LT 1.90 1	ug/l	GMR004

Summary of Analytical Results

Surface Water Samples for Spring 89

Sampling Date	Station Number	Sample Depth (cm)	Sample Type	Method	Analytical Parameters	Results	Units	Sample Number
89138	SW24001D	0.0	STP	UM21	1,1,2,2-Tetrachloroethane	LT 1.50 0	ug/l	GLL010
				N8	Tetrachloroethene	LT 7.50 -1	ug/l	GLY013
				UM21	Tetrachloroethene	LT 1.00 0	ug/l	GLL010
				N8	Trichloroethene	LT 5.60 -1	ug/l	GLY013
				UM21	Trichloroethene	LT 1.00 0	ug/l	GLL010
				UM21	Ortho- & Para-Xylene	LT 2.00 0	ug/l	GLL010
				AV8	Ortho- & Para-Xylene	LT 1.36 0	ug/l	GLZ013
				GGS	Zinc	LT 2.20 1	ug/l	GL0021
89111	SW24002	0.1	STRM	UM21	1,1,1-Trichloroethane	LT 1.00 0	ug/l	GDX002
				UM21	1,1,2-Trichloroethane	LT 1.00 0	ug/l	GDX002
				UM21	1,1-Dichloroethene	LT 1.00 0	ug/l	GDX002
				UM21	1,1-Dichloroethane	LT 1.00 0	ug/l	GDX002
				UM21	1,2-Dichloroethene	LT 5.00 0	ug/l	GDX002
				UM21	1,2-Dichloroethane	LT 1.00 0	ug/l	GDX002
				UM21	1,2-Dichloropropane	LT 1.00 0	ug/l	GDX002
				UM21	1,3-Dichlorobenzene	LT 1.00 0	ug/l	GDX002
				UM21	1,3-Dichloropropane	LT 4.60 0	ug/l	GDX002
				UM21	m-Xylene	LT 1.00 0	ug/l	GDX002
				AV8	m-Xylene	LT 1.32 0	ug/l	GCS016
				UM21	2-Chloroethylvinyl Ether	LT 3.50 0	ug/l	GDX002
				UM21	Acrylonitrile	LT 8.40 0	ug/l	GDX002
				UM25	Aldrin	LT 1.30 1	ug/l	GDZ002
				KK6	Aldrin	LT 5.00 -2	ug/l	GEG005
				AX8	Arsenic (filtered)	LT 2.35 0	ug/l	GFI005
				AX8	Arsenic	LT 2.35 0	ug/l	GFI006
				UM25	Atrazine	LT 5.90 0	ug/l	GDZ002
				UH11	Atrazine	LT 4.03 0	ug/l	GEJ005
				P8	Bicycloheptadiene	LT 5.90 0	ug/l	GEI005
				UM21	Bromodichloromethane	LT 1.00 0	ug/l	GDX002
				UM21	Vinyl Chloride	LT 1.20 1	ug/l	GDX002
				UM21	Chloroethane	LT 8.00 0	ug/l	GDX002
				UM21	Benzene	LT 1.00 0	ug/l	GDX002
				AV8	Benzene	LT 1.05 0	ug/l	GCS016

Summary of Analytical Results

Surface Water Samples for Spring 89

Sampling Date	Station Number	Sample Depth (cm)	Sample Type	Method	Analytical Parameters	Results	Units	Sample Number
89111	SW24002	0.1	STRM	GG8	Calcium (filtered)	8.93	4 ug/l	GEP011
				GG8	Calcium	8.84	4 ug/l	GEP012
				UM21	Trichlorofluoromethane	LT 1.00	0 ug/l	GDX002
				UM21	Carbon Tetrachloride	LT 1.00	0 ug/l	GDX002
				GG8	Cadmium (filtered)	LT 8.40	0 ug/l	GEP011
				GG8	Cadmium	LT 8.40	0 ug/l	GEP012
				UM21	Methylene Chloride	LT 1.00	0 ug/l	GDX002
				UM21	Bromomethane	LT 1.40	1 ug/l	GDX002
				UM21	Chloromethane	LT 1.20	0 ug/l	GDX002
				UM21	Bromoform	LT 1.10	1 ug/l	GDX002
				UM21	Chloroform	LT 1.00	0 ug/l	GDX002
				HH8A	Chloride	5.40	4 ug/l	GCK016
				KK8	Hexachlorocyclopentadiene	LT 4.80	-2 ug/l	GEG005
				UM21	Chlorobenzene	LT 1.00	0 ug/l	GDX002
				UM25	Chlordane	LT 3.70	1 ug/l	GDZ002
				KK8	Chlordane	LT 9.50	-2 ug/l	GEG005
				UM25	p-Chlorophenylmethyl Sulfide	LT 1.00	1 ug/l	GDZ002
				UM25	p-Chlorophenylmethyl Sulfoxide	LT 1.50	1 ug/l	GDZ002
				UM25	p-Chlorophenylmethyl Sulfone	LT 5.30	0 ug/l	GDZ002
				GG8	Chromium (filtered)	LT 2.40	1 ug/l	GEP011
				GG8	Chromium	LT 2.40	1 ug/l	GEP012
				GG8	Copper (filtered)	LT 2.60	1 ug/l	GEP011
				GG8	Copper	LT 2.60	1 ug/l	GEP012
				TF20	Cyanide	LT 5.00	0 ug/l	GCR016
				AY8	Dibromochloropropane	LT 1.95	-1 ug/l	GEE005
				UM25	Dibromochloropropane	LT 1.20	1 ug/l	GDZ002
				UM21	Dibromochloromethane	LT 1.00	0 ug/l	GDX002
				UM21	1,4-Dichlorobenzene	LT 2.00	0 ug/l	GDX002
				PS	Dicyclopentadiene	LT 5.00	0 ug/l	GEI005
				UM25	Dicyclopentadiene	LT 5.50	0 ug/l	GDZ002
				UM25	Vapona	LT 8.50	0 ug/l	GDZ002
				UH11	Vapona	6.60	-1 ug/l	GEJ005
				UM25	Diisopropylmethyl Phosphonate	LT 2.10	1 ug/l	GDZ002
				AT8	Diisopropylmethyl Phosphonate	LT 3.92	-1 ug/l	GEH005

Note: Results for some parameters may appear in more than one analytical fraction.

Summary of Analytical Results

Surface Water Samples for Spring 89

Sampling Date	Station Number	Sample Depth (cm)	Sample Type	Method	Analytical Parameters	Results	Units	Sample Number
89111	SW24002	0.1	STRM	UM25	Dithiane	LT 3.30 0	ug/l	GDZ002
				UM25	Dieldrin	LT 2.60 1	ug/l	GDZ002
				KK8	Dieldrin	LT 5.00 -2	ug/l	GEG005
				UM21	Acetone	LT 8.00 0	ug/l	GDX002
				UM25	Dimethylmethyl Phosphate	LT 1.30 2	ug/l	GDZ002
				AT8	Dimethylmethyl Phosphate	LT 1.88 -1	ug/l	GEH005
				UM25	Endrin	LT 1.80 1	ug/l	GDZ002
				KK8	Endrin	LT 5.00 -2	ug/l	GEG005
				UM21	Ethylbenzene	LT 1.00 0	ug/l	GDX002
				AV8	Ethylbenzene	LT 1.37 0	ug/l	GCS016
				HH8A	Fluoride	1.63 3	ug/l	GCK016
				CC8	Mercury (filtered)	LT 1.00 -1	ug/l	GCN031
				CC8	Mercury	LT 1.00 -1	ug/l	GCN032
				UM25	Isodrin	LT 7.80 0	ug/l	GDZ002
				KK8	Isodrin	LT 5.10 -2	ug/l	GEG005
				GG8	Potassium (filtered)	3.94 3	ug/l	GEP011
				GG8	Potassium	4.01 3	ug/l	GEP012
				UM21	Toluene	LT 1.00 0	ug/l	GDX002
				AV8	Toluene	LT 1.47 0	ug/l	GCS016
				UM21	Methylethyl Ketone	LT 1.00 1	ug/l	GDX002
				GG8	Magnesium (filtered)	2.93 4	ug/l	GEP011
				GG8	Magnesium	2.82 4	ug/l	GEP012
				UM21	Methylisobutyl Ketone	LT 1.40 0	ug/l	GDX002
				P8	Methylisobutyl Ketone	LT 4.90 0	ug/l	GEI005
				UM25	Malathion	LT 2.10 1	ug/l	GDZ002
				UH11	Malathion	LT 3.73 -1	ug/l	GEJ005
				GG8	Sodium (filtered)	1.20 5	ug/l	GEP011
				GG8	Sodium	1.20 5	ug/l	GEP012
				LL8	Nitrite,Nitrate - Non specific	8.74 1	ug/l	GCL016
				UM25	1,4-Oxathiane	LT 2.70 1	ug/l	GDZ002
				GG8	Lead (filtered)	LT 7.40 1	ug/l	GEP011
				GG8	Lead	LT 7.40 1	ug/l	GEP012
				UM25	Dichlorodiphenylethane	LT 1.40 1	ug/l	GDZ002
				KK8	Dichlorodiphenylethane	LT 5.40 -2	ug/l	GEG005

Summary of Analytical Results

Surface Water Samples for Spring 89

Sampling Date	Station Number	Sample Depth (cm)	Sample Type	Method	Analytical Parameters	Results	Units	Sample Number
89111	SW24002	0.1	STRM	UM25	Dichlorodiphenyltrichloroethane	LT 1.80 1	ug/l	GDZ002
				KK8	Dichlorodiphenyltrichloroethane	LT 4.90 -2	ug/l	GEG005
				UM25	Parathion	LT 3.70 1	ug/l	GDZ002
				UH11	Parathion	LT 6.47 -1	ug/l	GEJ005
				HH8A	Sulfate	2.30 5	ug/l	GCK016
				UM25	2-Chloro-1(2,4-Dichlorophenyl) Vinyl-diethyl Phosphates	LT 1.90 1	ug/l	GDZ002
				UH11	2-Chloro-1(2,4-Dichlorophenyl) Vinyl-diethyl Phosphates	LT 7.87 -1	ug/l	GEJ005
				UM21	1,1,2,2-Tetrachloroethane	LT 1.50 0	ug/l	GDX002
				UM21	Tetrachloroethene	LT 1.00 0	ug/l	GDX002
				UM21	Trichloroethene	LT 1.00 0	ug/l	GDX002
				UM21	Ortho- & Para-Xylene	LT 2.00 0	ug/l	GDX002
				AV8	Ortho- & Para-Xylene	LT 1.36 0	ug/l	GCS016
				GG8	Zinc (filtered)	LT 2.20 1	ug/l	GEP011
				GG8	Zinc	LT 2.20 1	ug/l	GEP012
				AA8	Benzothiazole	LT 5.00 0	ug/l	GEF005
				AA8	p-Chlorophenylmethyl Sulfide	LT 5.69 0	ug/l	GEF005
89111	SW24002	3.0	STRM	AA8	p-Chlorophenylmethyl Sulfoxide	LT 1.15 1	ug/l	GEF005
				AA8	p-Chlorophenylmethyl Sulfone	LT 7.46 0	ug/l	GEF005
				AA8	Dithiane	LT 1.34 0	ug/l	GEF005
				AA8	Dimethyldisulfide	LT 5.50 -1	ug/l	GEF005
				AA8	1,4-Oxathiane	LT 2.38 0	ug/l	GEF005
				00	ALKALINITY	2.99 2	ug/l	GCJ016
89111	SW24002B	0.2	STRM	NN9	1,1,2-Trichloroethane	LT 2.60 -1	ug/l	GDY006
				NN9	1,1-Dichloroethene	LT 2.40 -1	ug/l	GDY006
				NN9	1,1-Dichloroethane	LT 7.40 -2	ug/l	GDY006
				NN9	1,2-Dichloroethene	LT 2.60 -1	ug/l	GDY006
				NN9	1,2-Dichloroethane	LT 8.50 -2	ug/l	GDY006
				AA9	m-Xylene	LT 2.60 -1	ug/l	GDW006
				KK9A	Aldrin	LT 1.90 -3	ug/l	GEB005

Summary of Analytical Results

Surface Water Samples for Spring 89

Sampling Date	Station Number	Sample Depth (cm)	Sample Type	Method	Analytical Parameters	Results	Units	Sample Number
891111	SW24002B	0.2	STRM	KK9A	Aldrin	LT 1.90 -3	ug/l	GEB006
					B9 Arsenic	LT 2.50 0	ug/l	GDM018
					LH15 Atrazine	LT 1.54 -1	ug/l	GEA006
					ZZ9 Bicycloheptadiene	LT 5.08 0	ug/l	IKX008
					HH9 Benzothiazole	LT 2.04 0	ug/l	GEC012
					AA9 Benzene	LT 8.50 -2	ug/l	GDW006
					NN9 Carbon Tetrachloride	LT 1.20 -1	ug/l	GDY006
					P9 Cadmium	LT 7.40 -1	ug/l	GDK018
					NN9 Methylene Chloride	LT 3.70 0	ug/l	GDY006
					NN9 Chloroform	LT 6.80 -2	ug/l	GDY006
					KK9A Hexachlorocyclopentadiene	LT 1.80 -3	ug/l	GEB005
					KK9A Hexachlorocyclopentadiene	LT 1.80 -3	ug/l	GEB006
					NN9 Chlorobenzene	LT 2.00 -1	ug/l	GDY006
					KK9A Chlordane	LT 2.30 -2	ug/l	GEB005
					KK9A Chlordane	LT 2.30 -2	ug/l	GEB006
					HH9 p-Chlorophenylmethyl Sulfide	LT 4.40 0	ug/l	GEC012
					HH9 p-Chlorophenylmethyl Sulfoxide	LT 4.81 0	ug/l	GEC012
					HH9 p-Chlorophenylmethyl Sulfone	LT 9.01 0	ug/l	GEC012
					P9 Chromium	1.28 1	ug/l	GDK018
					P9 Copper	1.15 1	ug/l	GDK018
					S9 Dibromochloropropane	LT 5.00 -3	ug/l	GED006
					ZZ9 Dicyclopentadiene	LT 5.12 0	ug/l	IKX008
					LH15 Vapona	LT 8.00 -2	ug/l	GEA006
					TT9 Diisopropylmethyl Phosphonate	LT 1.14 -1	ug/l	KST007
					HH9 Dithiane	LT 1.45 0	ug/l	GEC012
					KK9A Dieldrin	LT 3.30 -3	ug/l	GEB005
					KK9A Dieldrin	LT 3.30 -3	ug/l	GEB006
					HH9 Dimethyldisulfide	LT 3.12 0	ug/l	GEC012
					TT9 Dimethylmethyl Phosphate	LT 1.33 -1	ug/l	KST007
					KK9A Endrin	LT 5.80 -3	ug/l	GEB005
					KK9A Endrin	LT 5.80 -3	ug/l	GEB006
					AA9 Ethylbenzene	LT 1.60 -1	ug/l	GDW006
					AAA9 Fluoroacetic Acid	LT 2.00 0	ug/l	KRR010
					Y9 Mercury	LT 5.00 -2	ug/l	GDL018

Summary of Analytical Results

Surface Water Samples for Spring 89

Sampling Date	Station Number	Sample Depth (cm)	Sample Type	Method	Analytical Parameters	Results	Units	Sample Number
89111	SW24002B	0.2	STRM	AAA9	Isopropylmethyl Phosphonic Acid	LT 2.11 0	ug/l	KFR010
				KK9A	Isodrin	LT 1.10 -3	ug/l	GEB005
				KK9A	Isodrin	LT 1.10 -3	ug/l	GEB006
				AA9	Toluene	LT 1.90 -1	ug/l	GDW006
				ZZ9	Methylisobutyl Ketone	LT 5.24 0	ug/l	IKX008
				LH15	Malathion	LT 1.26 -1	ug/l	GEA006
				HH9	1,4-Oxathiane	LT 1.74 0	ug/l	GEC012
				P9	Lead	1.99 1	ug/l	GDK018
				KK9A	Dichlorodiphenylethane	LT 2.40 -3	ug/l	GEB005
				KK9A	Dichlorodiphenylethane	LT 2.40 -3	ug/l	GEB006
				KK9A	Dichlorodiphenyltrichloroethane	LT 2.00 -3	ug/l	GEB005
				KK9A	Dichlorodiphenyltrichloroethane	LT 2.00 -3	ug/l	GEB006
				LH15	Parathion	LT 1.59 -1	ug/l	GEA006
				LH15	2-Chloro-1(2,4-Dichlorophenyl) Vinyl-diethyl Phosphates	LT 1.48 -1	ug/l	GEA006
				NN9	Tetrachloroethene	LT 2.70 -1	ug/l	GDY006
				NN9	Trichloroethene	LT 1.40 -1	ug/l	GDY006
				AA9	Ortho- & Para-Xylene	LT 3.90 -1	ug/l	GDW006
				P9	Zinc	4.54 1	ug/l	GDK018
89111	SW24002BD	0.2	STRM	NN9	1,1,1-Trichloroethane	LT 8.80 -2	ug/l	GDY005
				NN9	1,1,1-Trichloroethane	LT 8.80 -2	ug/l	GDY006
				NN9	1,1,2-Trichloroethane	LT 2.60 -1	ug/l	GDY005
				NN9	1,1-Dichloroethene	LT 2.40 -1	ug/l	GDY005
				NN9	1,1-Dichloroethane	LT 7.40 -2	ug/l	GDY005
				NN9	1,2-Dichloroethene	LT 2.60 -1	ug/l	GDY005
				NN9	1,2-Dichloroethane	LT 8.50 -2	ug/l	GDY005
				AA9	m-Xylene	LT 2.60 -1	ug/l	GDW005
				B9	Arsenic	LT 2.50 0	ug/l	GDM011
				LH15	Atrazine	LT 1.54 -1	ug/l	GEA005
				ZZ9	Bicycloheptadiene	LT 5.08 0	ug/l	IKX009
				HH9	Benzothiazole	LT 2.04 0	ug/l	GEC005

Summary of Analytical Results

Surface Water Samples for Spring 89

Sampling Date	Station Number	Sample Depth (cm)	Sample Type	Method	Analytical Parameters	Results	Units	Sample Number
89111	SW24002ED	0.2	STRM	AA9	Benzene	LT 8.50 -2	ug/l	GDW005
				NN9	Carbon Tetrachloride	LT 1.20 -1	ug/l	GDY005
				P9	Cadmium	LT 7.40 -1	ug/l	GDK011
				NN9	Methylene Chloride	LT 3.70 0	ug/l	GDY005
				NN9	Chloroform	LT 6.80 -2	ug/l	GDY005
				NN9	Chlorobenzene	LT 2.00 -1	ug/l	GDY005
				HH9	p-Chlorophenylmethyl Sulfide	LT 4.40 0	ug/l	GEC005
				HH9	p-Chlorophenylmethyl Sulfoxide	GT 2.00 1	ug/l	GEC005
				HH9	p-Chlorophenylmethyl Sulfone	LT 9.01 0	ug/l	GEC005
				P9	Chromium	LT 6.50 0	ug/l	GDK011
				P9	Copper	1.08 1	ug/l	GDK011
				S9	Dibromochloropropane	LT 5.00 -3	ug/l	GED005
				ZZ9	Dicyclopentadiene	LT 5.12 0	ug/l	IKX009
				LH15	Vapona	LT 8.00 -2	ug/l	GEA005
				TT9	Diisopropylmethyl Phosphonate	LT 1.14 -1	ug/l	KST008
				HH9	Dithiane	LT 1.45 0	ug/l	GEC005
				HH9	Dimethyldisulfide	LT 3.12 0	ug/l	GEC005
				TT9	Dimethylmethyl Phosphate	LT 1.33 -1	ug/l	KST008
				AA9	Ethylbenzene	LT 1.60 -1	ug/l	GDW005
				AAA9	Fluoroacetic Acid	LT 2.00 0	ug/l	KRR011
				Y9	Mercury	LT 5.00 -2	ug/l	GDL011
				AAA9	Isopropylmethyl Phosphonic Acid	LT 2.11 0	ug/l	KRR011
				AA9	Toluene	LT 1.90 -1	ug/l	GDW005
				ZZ9	Methylisobutyl Ketone	LT 5.24 0	ug/l	IKX009
				LH15	Malathion	LT 1.26 -1	ug/l	GEA005
				HH9	1,4-Oxathiane	LT 1.74 0	ug/l	GEC005
				P9	Lead	LT 8.40 0	ug/l	GDK011
				LH15	Parathion	LT 1.59 -1	ug/l	GEA005
				LH15	2-Chloro-1(2,4-Dichlorophenyl) Vinyl-diethyl Phosphates	LT 1.48 -1	ug/l	GEA005
				NN9	Tetrachloroethene	LT 2.70 -1	ug/l	GDY005
				NN9	Trichloroethene	LT 1.40 -1	ug/l	GDY005
				AA9	Ortho- & Para-Xylene	LT 3.90 -1	ug/l	GDW005

Note: Results for some parameters may appear in more than one analytical fraction.

Summary of Analytical Results

Surface Water Samples for Spring 89

Sampling Date	Station Number	Sample Depth (cm)	Sample Type	Method	Analytical Parameters	Results	Units	Sample Number
89111	SW24002BD	0.2	STRM	P9	Zinc	3.39 1	ug/l	GDK011
89135	SW24002ST	0.2	STRM	N8	1,1,1-Trichloroethane	LT 7.60 -1	ug/l	GJU015
				N8	1,1,2-Trichloroethane	LT 7.80 -1	ug/l	GJU015
				N8	1,1-Dichloroethene	LT 1.70 0	ug/l	GJU015
				N8	1,1-Dichloroethane	LT 7.30 -1	ug/l	GJU015
				N8	1,2-Dichloroethene	LT 7.60 -1	ug/l	GJU015
				N8	1,2-Dichloroethane	LT 1.10 0	ug/l	GJU015
				AV8	m-Xylene	LT 1.32 0	ug/l	GJT015
				KK8	Aldrin	LT 5.00 -2	ug/l	GJV008
				UM25	Aldrin	LT 1.30 1	ug/l	GKW003
				00	ALKALINITY	2.88 2	ug/l	GMK006
				AX8	Arsenic	LT 2.35 0	ug/l	GKF022
				UM11	Atrazine	LT 4.03 0	ug/l	GJX008
				UM25	Atrazine	LT 5.90 0	ug/l	GKW003
				P8	Bicycloheptadiene	LT 5.90 0	ug/l	GKC013
				AA88	Benothiazole	LT 5.00 0	ug/l	GJY008
				AV8	Benzene	LT 1.05 0	ug/l	GJT015
				GG8	Calcium (filtered)	8.46 4	ug/l	GKB014
				N8	Carbon Tetrachloride	LT 9.90 -1	ug/l	GJU015
				GG8	Cadmium (filtered)	LT 8.40 0	ug/l	GKB014
				N8	Methylene Chloride	LT 7.40 0	ug/l	GJU015
				N8	Chloroform	LT 5.00 -1	ug/l	GJU015
				HH8A	Chloride	4.80 4	ug/l	GKH020
				KK8	Hexachlorocyclopentadiene	LT 4.80 -2	ug/l	GJV008
				UM25	Hexachlorocyclopentadiene	LT 5.40 1	ug/l	GKW003
				N8	Chlorobenzene	LT 8.20 -1	ug/l	GJU015
				KK8	Chlordane	LT 9.50 -2	ug/l	GJV008
				UM25	Chlordane	LT 3.70 1	ug/l	GKW003
				AA88	p-Chlorophenylmethyl Sulfide	LT 5.69 0	ug/l	GJY008
				UM25	p-Chlorophenylmethyl Sulfide	LT 1.00 1	ug/l	GKW003
				AA88	p-Chlorophenylmethyl Sulfoxide	LT 1.15 1	ug/l	GJY008
				UM25	p-Chlorophenylmethyl Sulfoxide	LT 1.50 1	ug/l	GKW003
				AA88	p-Chlorophenylmethyl Sulfone	LT 7.46 0	ug/l	GJY008

Summary of Analytical Results

Surface Water Samples for Spring 89

Sampling Date	Station Number	Sample Depth (cm)	Sample Type	Method	Analytical Parameters	Results	Units	Sample Number
89135	SW24002ST	0.2	STRM	UM25	p-Chlorophenylmethyl Sulfone	LT 5.30 0	ug/l	GKW003
				GG8	Chromium (filtered)	LT 2.40 1	ug/l	GKB014
				GG8	Copper (filtered)	LT 2.60 1	ug/l	GKB014
				TF20	Cyanide	LT 5.00 0	ug/l	GKE006
				AY8	Dibromochloropropane	LT 1.95 -1	ug/l	GJW008
				UM25	Dibromochloropropane	LT 1.20 1	ug/l	GKW003
				P8	Dicyclopentadiene	LT 5.00 0	ug/l	GKC013
				UM25	Dicyclopentadiene	LT 5.50 0	ug/l	GKW003
				UH11	Vapona	LT 3.84 -1	ug/l	GJX008
				UM25	Vapona	LT 8.50 0	ug/l	GKW003
				AT8	Diisopropylmethyl Phosphonate	LT 3.92 -1	ug/l	GJZ016
				UM25	Diisopropylmethyl Phosphonate	LT 2.10 1	ug/l	GKW003
				AA88	Dithiane	LT 1.34 0	ug/l	GJY008
				UM25	Dithiane	LT 3.30 0	ug/l	GKW003
				KK8	Dieldrin	LT 5.00 -2	ug/l	GJV008
				UM25	Dieldrin	LT 2.60 1	ug/l	GKW003
				AA88	Dimethyldisulfide	LT 5.50 -1	ug/l	GJY008
				AT8	Dimethylmethyl Phosphate	LT 1.88 -1	ug/l	GJZ016
				UM25	Dimethylmethyl Phosphate	LT 1.30 2	ug/l	GKW003
				KK8	Endrin	LT 5.00 -2	ug/l	GJV008
				UM25	Endrin	LT 1.80 1	ug/l	GKW003
				AV8	Ethylbenzene	LT 1.37 0	ug/l	GJT015
				HH8A	Fluoride	1.35 3	ug/l	GKH020
				CC8	Mercury (filtered)	LT 1.00 -1	ug/l	GKG031
				KK8	Isodrin	LT 5.10 -2	ug/l	GJV008
				UM25	Isodrin	LT 7.80 0	ug/l	GKW003
				GG8	Potassium (filtered)	6.44 3	ug/l	GKB014
				AV8	Toluene	LT 1.47 0	ug/l	GJT015
				GG8	Magnesium (filtered)	2.50 4	ug/l	GKB014
				P8	Methylisobutyl Ketone	LT 4.90 0	ug/l	GKC013
				UH11	Malathion	LT 3.73 -1	ug/l	GJX008
				UM25	Malathion	LT 2.10 1	ug/l	GKW003
				GG8	Sodium (filtered)	8.89 4	ug/l	GKB014
				LL8	Nitrite,Nitrate - Non specific	1.90 2	ug/l	GKD039

Note: Results for some parameters may appear in more than one analytical fraction.

Summary of Analytical Results

Surface Water Samples for Spring 89

Sampling Date	Station Number	Sample Depth (cm)	Sample Type	Method	Analytical Parameters	Results	Units	Sample Number
89135	SW24002ST	0.2	STRM	AAAG	1,4-Oxathiane	LT 2.38 0	ug/l	GJY008
				UM25	1,4-Oxathiane	LT 2.70 1	ug/l	GKW003
				GG8	Lead (filtered)	LT 7.40 1	ug/l	GKB014
				KK8	Dichlorodiphenylethane	LT 5.40 -2	ug/l	GJV008
				UM25	Dichlorodiphenylethane	LT 1.40 1	ug/l	GKW003
				KK8	Dichlorodiphenyltrichloroethane	LT 4.90 -2	ug/l	GJV008
				UM25	Dichlorodiphenyltrichloroethane	LT 1.80 1	ug/l	GKW003
				UH11	Parathion	LT 6.47 -1	ug/l	GJX008
				UM25	Parathion	LT 3.70 1	ug/l	GKW003
				HH8A	Sulfate	1.50 5	ug/l	GKH020
				UH11	2-Chloro-1(2,4-Dichlorophenyl) Vinyl diethyl Phosphates	LT 7.87 -1	ug/l	GJX008
				UM25	2-Chloro-1(2,4-Dichlorophenyl) Vinyl diethyl Phosphates	LT 1.90 1	ug/l	GKW003
				N8	Tetrachloroethene	LT 7.50 -1	ug/l	GJU015
				N8	Trichloroethene	LT 5.60 -1	ug/l	GJU015
				AV8	Ortho- & Para-Xylene	LT 1.36 0	ug/l	GJT015
				GG8	Zinc (filtered)	LT 2.20 1	ug/l	GKB014
89111	SW24003	0.3	POND	UM21	1,1,1-Trichloroethane	LT 1.00 0	ug/l	GDX003
				UM21	1,1,2-Trichloroethane	LT 1.00 0	ug/l	GDX003
				UM21	1,1-Dichloroethene	LT 1.00 0	ug/l	GDX003
				UM21	1,1-Dichloroethane	LT 1.00 0	ug/l	GDX003
				UM21	1,2-Dichloroethene	LT 5.00 0	ug/l	GDX003
				UM21	1,2-Dichloroethane	LT 1.00 0	ug/l	GDX003
				UM21	1,2-Dichloropropane	LT 1.00 0	ug/l	GDX003
				UM21	1,3-Dichlorobenzene	LT 1.00 0	ug/l	GDX003
				UM21	1,3-Dichloropropane	LT 4.80 0	ug/l	GDX003
				UM21	m-Xylene	LT 1.00 0	ug/l	GDX003
				AV8	m-Xylene	LT 1.32 0	ug/l	GCS017
				UM21	2-Chloroethylvinyl Ether	LT 3.50 0	ug/l	GDX003
				UM21	Acrylonitrile	LT 8.40 0	ug/l	GDX003
				UM25	Aldrin	LT 1.30 1	ug/l	GDZ003

Summary of Analytical Results

Surface Water Samples for Spring 89

Sampling Date	Station Number	Sample Depth (cm)	Sample Type	Method	Analytical Parameters	Results	Units	Sample Number
89111	SW24003	0.3	POND	KK8	Aldrin	LT 5.00 -2	ug/l	GEG006
					00 ALKALINITY	1.73 2	ug/l	GCJ017
				AX8	Arsenic (filtered)	LT 2.35 0	ug/l	GCM029
				AX8	Arsenic	LT 2.35 0	ug/l	GCM030
				UM25	Atrazine	LT 5.90 0	ug/l	GDZ003
				UH11	Atrazine	LT 4.03 0	ug/l	GEJ006
				P8	Bicycloheptadiene	LT 5.90 0	ug/l	GEI006
				UM21	Bromodichloromethane	LT 1.00 0	ug/l	GDX003
				UM21	Vinyl Chloride	LT 1.20 1	ug/l	GDX003
				UM21	Chloroethane	LT 8.00 0	ug/l	GDX003
				UM21	Benzene	LT 1.00 0	ug/l	GDX003
				AV8	Benzene	LT 1.05 0	ug/l	GCS017
				GG8	Calcium (filtered)	1.10 5	ug/l	GEP009
				GG8	Calcium	1.10 5	ug/l	GEP010
				UM21	Trichlorofluoromethane	LT 1.00 0	ug/l	GDX003
				UM21	Carbon Tetrachloride	LT 1.00 0	ug/l	GDX003
				GG8	Cadmium (filtered)	LT 8.40 0	ug/l	GEP009
				GG8	Cadmium	LT 8.40 0	ug/l	GEP010
				UM21	Methylene Chloride	LT 1.00 0	ug/l	GDX003
				UM21	Bromomethane	LT 1.40 1	ug/l	GDX003
				UM21	Chloromethane	LT 1.20 0	ug/l	GDX003
				UM21	Bromoform	LT 1.10 1	ug/l	GDX003
				UM21	Chloroform	LT 1.00 0	ug/l	GDX003
				HH8A	Chloride	2.40 5	ug/l	GCK017
				KK8	Hexachlorocyclopentadiene	LT 4.80 -2	ug/l	GEG006
				UM21	Chlorobenzene	LT 1.00 0	ug/l	GDX003
				UM25	Chlordane	LT 3.70 1	ug/l	GDZ003
				KK8	Chlordane	LT 9.50 -2	ug/l	GEG006
				UM25	p-Chlorophenylmethyl Sulfide	LT 1.00 1	ug/l	GDZ003
				UM25	p-Chlorophenylmethyl Sulfoxide	LT 1.50 1	ug/l	GDZ003
				UM25	p-Chlorophenylmethyl Sulfone	LT 5.30 0	ug/l	GDZ003
				GG8	Chromium (filtered)	LT 2.40 1	ug/l	GEP009
				GG8	Chromium	LT 2.40 1	ug/l	GEP010
				GG8	Copper (filtered)	LT 2.60 1	ug/l	GEP009

Summary of Analytical Results

Surface Water Samples for Spring 89

Sampling Date	Station Number	Sample Depth (cm)	Sample Type	Method	Analytical Parameters	Results	Units	Sample Number
891111	SW24003	0.3	POND	GG8	Copper	LT 2.60	1 ug/l	GEP010
				TF20	Cyanide	LT 5.00	0 ug/l	GCR017
				AY8	Dibromochloropropane	LT 1.95	-1 ug/l	GEE006
				UM25	Dibromochloropropane	LT 1.20	1 ug/l	GDZ003
				UM21	Dibromochloromethane	LT 1.00	0 ug/l	GDX003
				UM21	1,4-Dichlorobenzene	LT 2.00	0 ug/l	GDX003
				P8	Dicyclopentadiene	LT 5.00	0 ug/l	GEI006
				UM25	Dicyclopentadiene	LT 5.50	0 ug/l	GDZ003
				UM25	Vapona	LT 8.50	0 ug/l	GDZ003
				UH11	Vapona	6.35	-1 ug/l	GEJ006
				UM25	Diisopropylmethyl Phosphonate	LT 2.10	1 ug/l	GDZ003
				AT8	Diisopropylmethyl Phosphonate	2.06	0 ug/l	GEH006
				UM25	Dithiane	LT 3.30	0 ug/l	GDZ003
				UM25	Dieldrin	LT 2.60	1 ug/l	GDZ003
				KK8	Dieldrin	LT 5.00	-2 ug/l	GEG006
				UM21	Acetone	LT 8.00	0 ug/l	GDX003
				UM25	Dimethylmethyl Phosphate	LT 1.30	2 ug/l	GDZ003
				AT8	Dimethylmethyl Phosphate	LT 1.88	-1 ug/l	GEH006
				UM25	Endrin	LT 1.80	1 ug/l	GDZ003
				KK8	Endrin	LT 5.00	-2 ug/l	GEG006
				UM21	Ethylbenzene	LT 1.00	0 ug/l	GDX003
				AV8	Ethylbenzene	LT 1.37	0 ug/l	GCS017
				HH8A	Fluoride	2.37	3 ug/l	GCK017
				CC8	Mercury (filtered)	LT 1.00	-1 ug/l	GCN029
				CC8	Mercury	LT 1.00	-1 ug/l	GCN030
				UM25	Isodrin	LT 7.80	0 ug/l	GDZ003
				KK8	Isodrin	LT 5.10	-2 ug/l	GEG006
				GG8	Potassium (filtered)	3.26	3 ug/l	GEP009
				GG8	Potassium	3.76	3 ug/l	GEP010
				UM21	Toluene	LT 1.00	0 ug/l	GDX003
				AV8	Toluene	LT 1.47	0 ug/l	GCS017
				UM21	Methylethyl Ketone	LT 1.00	1 ug/l	GDX003
				GG8	Magnesium (filtered)	6.35	4 ug/l	GEP009
				GG8	Magnesium	6.24	4 ug/l	GEP010

Summary of Analytical Results

Surface Water Samples for Spring 89

Sampling Date	Station Number	Sample Depth (cm)	Sample Type	Method	Analytical Parameters	Results	Units	Sample Number
891111	SW24003	0.3	POND	UM21	Methylisobutyl Ketone	LT 1.40	0 ug/l	GDX003
				PG	Methylisobutyl Ketone	LT 4.90	0 ug/l	GEI006
				UM25	Malathion	LT 2.10	1 ug/l	GDZ003
				UH11	Malathion	LT 3.73	-1 ug/l	GEJ006
				GG8	Sodium (filtered)	2.50	5 ug/l	GEP009
				GG8	Sodium	2.60	5 ug/l	GEP010
				LL8	Nitrite,Nitrate - Non specific	2.40	2 ug/l	GCL017
				UM25	1,4-Oxathiane	LT 2.70	1 ug/l	GDZ003
				GG8	Lead (filtered)	LT 7.40	1 ug/l	GEP009
				GG8	Lead	LT 7.40	1 ug/l	GEP010
				UM25	Dichlorodiphenylethane	LT 1.40	1 ug/l	GDZ003
				KK8	Dichlorodiphenylethane	LT 5.40	-2 ug/l	GEG006
				UM25	Dichlorodiphenyltrichloro-ethane	LT 1.80	1 ug/l	GDZ003
				KK8	Dichlorodiphenyltrichloro-ethane	LT 4.90	-2 ug/l	GEG006
				UM25	Parathion	LT 3.70	1 ug/l	GDZ003
				UH11	Parathion	LT 6.47	-1 ug/l	GEJ006
				HH8A	Sulfate	4.50	5 ug/l	GCK017
				UM25	2-Chloro-1(2,4-Dichlorophenyl) Vinyl-diethyl Phosphates	LT 1.90	1 ug/l	GDZ003
				UH11	2-Chloro-1(2,4-Dichlorophenyl) Vinyl-diethyl Phosphates	LT 7.87	-1 ug/l	GEJ006
				UM21	1,1,2,2-Tetrachloroethane	LT 1.50	0 ug/l	GDX003
				UM21	Tetrachloroethene	LT 1.00	0 ug/l	GDX003
				UM21	Trichloroethene	LT 1.00	0 ug/l	GDX003
				UM21	Ortho- & Para-Xylene	LT 2.00	0 ug/l	GDX003
				AV8	Ortho- & Para-Xylene	LT 1.36	0 ug/l	GCS017
				GG8	Zinc (filtered)	LT 2.20	1 ug/l	GEP009
				GG8	Zinc	LT 2.20	1 ug/l	GEP010
891111	SW24003	8.0	POND	AAA8	Benzothiazole	LT 5.00	0 ug/l	GEF006
				AAA8	p-Chlorophenylmethyl Sulfide	LT 5.69	0 ug/l	GEF006
				AAA8	p-Chlorophenylmethyl Sulfoxide	LT 1.15	1 ug/l	GEF006
				AAA8	p-Chlorophenylmethyl Sulfone	LT 7.46	0 ug/l	GEF006

Note: Results for some parameters may appear in more than one analytical fraction.

Summary of Analytical Results

Surface Water Samples for Spring 89

Sampling Date	Station Number	Sample Depth (cm)	Sample Type	Method	Analytical Parameters	Results	Units	Sample Number
89111	SW24003	8.0	POND	AAAS	Dithiane	LT 1.34 0	ug/l	GEF006
				AAAS	Dimethyldisulfide	LT 5.50 -1	ug/l	GEF006
				AAAS	1,4-Oxathiane	LT 2.38 0	ug/l	GEF006
89114	SW24004	0.1	STRM	AV8	m-Xylene	LT 1.32 0	ug/l	GCS020
				KK8	Aldrin	LT 5.00 -2	ug/l	GEG009
				UM25	Aldrin	LT 1.30 1	ug/l	GEK004
				00	ALKALINITY	3.03 2	ug/l	GCI020
				AX8	Arsenic (filtered)	LT 2.35 0	ug/l	GFI011
				AX8	Arsenic	LT 2.35 0	ug/l	GFI012
				UM25	Atrazine	LT 5.90 0	ug/l	GEK004
				UH11	Atrazine	LT 4.03 0	ug/l	GEJ009
				P8	Bicycloheptadiene	LT 5.90 0	ug/l	GEI009
				AV8	Benzene	LT 1.05 0	ug/l	GCS020
				GG8	Calcium (filtered)	8.91 4	ug/l	GEP017
				GG8	Calcium	8.80 4	ug/l	GEP018
				GG8	Cadmium (filtered)	LT 8.40 0	ug/l	GEP017
				GG8	Cadmium	LT 8.40 0	ug/l	GEP018
				HH8A	Chloride	5.50 4	ug/l	GCK020
				KK8	Hexachlorocyclopentadiene	LT 4.80 -2	ug/l	GEG009
				UM25	Hexachlorocyclopentadiene	LT 5.40 1	ug/l	GEK004
				KK8	Chlordane	LT 9.50 -2	ug/l	GEG009
				UM25	Chlordane	LT 3.70 1	ug/l	GEK004
				UM25	p-Chlorophenylmethyl Sulfide	LT 1.00 1	ug/l	GEK004
				UM25	p-Chlorophenylmethyl Sulfoxide	LT 1.50 1	ug/l	GEK004
				UM25	p-Chlorophenylmethyl Sulfone	LT 5.30 0	ug/l	GEK004
				GG8	Chromium (filtered)	LT 2.40 1	ug/l	GEP017
				GG8	Chromium	LT 2.40 1	ug/l	GEP018
				GG8	Copper (filtered)	LT 2.60 1	ug/l	GEP017
				GG8	Copper	LT 2.60 1	ug/l	GEP018
				TF20	Cyanide	LT 5.00 0	ug/l	GCR020
				AY8	Dibromochloropropane	LT 1.95 -1	ug/l	GEE009
				UM25	Dibromochloropropane	LT 1.20 1	ug/l	GEK004
				P8	Dicyclopentadiene	LT 5.00 0	ug/l	GEI009

Summary of Analytical Results

Surface Water Samples for Spring 89

Sampling Date	Station Number	Sample Depth (cm)	Sample Type	Method	Analytical Parameters	Results	Units	Sample Number
89114	SW24004	0.1	STRM	UM25	Dicyclopentadiene	LT 5.50 0	ug/l	GEK004
				UM25	Vapona	LT 6.50 0	ug/l	GEK004
				UH11	Vapona	LT 3.64 -1	ug/l	GEJ009
				AT8	Diisopropylmethyl Phosphonate	LT 3.92 -1	ug/l	GEH009
				UM25	Diisopropylmethyl Phosphonate	LT 2.10 1	ug/l	GEK004
				UM25	Dithiane	LT 3.30 0	ug/l	GEK004
				KK8	Dieldrin	LT 5.00 -2	ug/l	GEG009
				UM25	Dieldrin	LT 2.60 1	ug/l	GEK004
				AT8	Dimethylmethyl Phosphate	LT 1.68 -1	ug/l	GEH009
				UM25	Dimethylmethyl Phosphate	LT 1.30 2	ug/l	GEK004
				KK8	Endrin	LT 5.00 -2	ug/l	GEG009
				UM25	Endrin	LT 1.80 1	ug/l	GEK004
				AV8	Ethylbenzene	LT 1.37 0	ug/l	GCS020
				HH8A	Fluoride	1.50 3	ug/l	GCK020
				CC8	Mercury (filtered)	LT 1.00 -1	ug/l	GCN037
				CC8	Mercury	LT 1.00 -1	ug/l	GCN038
				KK8	Isodrin	LT 5.10 -2	ug/l	GEG009
				UM25	Isodrin	LT 7.60 0	ug/l	GEK004
				GG8	Potassium (filtered)	4.00 3	ug/l	GEP017
				GG8	Potassium	4.15 3	ug/l	GEP018
				AV8	Toluene	LT 1.47 0	ug/l	GCS020
				GG8	Magnesium (filtered)	3.09 4	ug/l	GEP017
				GG8	Magnesium	3.04 4	ug/l	GEP018
				P8	Methylisobutyl Ketone	LT 4.90 0	ug/l	GEI009
				UM25	Malathion	LT 2.10 1	ug/l	GEK004
				UH11	Malathion	LT 3.73 -1	ug/l	GEJ009
				GG8	Sodium (filtered)	1.30 5	ug/l	GEP017
				GG8	Sodium	1.30 5	ug/l	GEP018
				LL8	Nitrite,Nitrate - Non specific	7.91 1	ug/l	GCL020
				UM25	1,4-Oxathiane	LT 2.70 1	ug/l	GEK004
				GG8	Lead (filtered)	LT 7.40 1	ug/l	GEP017
				GG8	Lead	LT 7.40 1	ug/l	GEP018
				KK8	Dichlorodiphenylethane	LT 5.40 -2	ug/l	GEG009
				UM25	Dichlorodiphenylethane	LT 1.40 1	ug/l	GEK004

Summary of Analytical Results

Surface Water Samples for Spring 89

Sampling Date	Station Number	Sample Depth (cm)	Sample Type	Method	Analytical Parameters	Results	Units	Sample Number
89114	SW24004	0.1	STRM	KK8	Dichlorodiphenyltrichloro-ethane	LT 4.90 -2	ug/l	GEG009
				UM25	Dichlorodiphenyltrichloro-ethane	LT 1.60 1	ug/l	GEK004
				UM25	Parathion	LT 3.70 1	ug/l	GEK004
				UH11	Parathion	LT 6.47 -1	ug/l	GEJ009
				HH8A	Sulfate	2.40 5	ug/l	GCK020
				UM25	2-Chloro-1(2,4-Dichlorophenyl) Vinyl-diethyl Phosphates	LT 1.90 1	ug/l	GEK004
				UH11	2-Chloro-1(2,4-Dichlorophenyl) Vinyl-diethyl Phosphates	LT 7.67 -1	ug/l	GEJ009
				AV8	Ortho- & Para-Xylene	LT 1.36 0	ug/l	GCS020
				GG8	Zinc (filtered)	LT 2.20 1	ug/l	GEP017
				GG8	Zinc	LT 2.20 1	ug/l	GEP018
89114	SW24004	3.0	STRM	AA88	Benzothiazole	LT 5.00 0	ug/l	GEF009
				AA88	p-Chlorophenylmethyl Sulfide	LT 5.69 0	ug/l	GEF009
				AA88	p-Chlorophenylmethyl Sulfoxide	LT 1.15 1	ug/l	GEF009
				AA88	p-Chlorophenylmethyl Sulfone	LT 7.46 0	ug/l	GEF009
				AA88	Dithiane	LT 1.34 0	ug/l	GEF009
				AA88	Dimethyldisulfide	LT 5.50 -1	ug/l	GEF009
				AA88	1,4-Oxathiane	LT 2.38 0	ug/l	GEF009
89114	SW30002	0.2	STRM	AV8	m-Xylene	LT 1.32 0	ug/l	GCS019
				KK8	Aldrin	LT 5.00 -2	ug/l	GEG006
				UM25	Aldrin	LT 1.30 1	ug/l	GEK003
				00	ALKALINITY	3.09 2	ug/l	GCI019
				AX8	Arsenic (filtered)	LT 2.35 0	ug/l	GFI009
				AX8	Arsenic	LT 2.35 0	ug/l	GFI010
				UM25	Atrazine	LT 5.90 0	ug/l	GEK003
				UH11	Atrazine	LT 4.03 0	ug/l	GEJ006
				P8	Bicycloheptadiene	LT 5.90 0	ug/l	GEI006
				AV8	Benzene	LT 1.05 0	ug/l	GCS019
				GG8	Calcium (filtered)	9.26 4	ug/l	GEP015
				GG8	Calcium	8.94 4	ug/l	GEP016

Note: Results for some parameters may appear in more than one analytical fraction.

Summary of Analytical Results

Surface Water Samples for Spring 89

Sampling Date	Station Number	Sample Depth (cm)	Sample Type	Method	Analytical Parameters	Results	Units	Sample Number
89114	SW30002	0.2	STRM	GG8	Cadmium (filtered)	LT 8.40 0	ug/l	GEP015
				GG8	Cadmium	LT 8.40 0	ug/l	GEP016
				HH8A	Chloride	5.20 4	ug/l	GCK019
				KK8	Hexachlorocyclopentadiene	LT 4.80 -2	ug/l	GEG008
				UM25	Hexachlorocyclopentadiene	LT 5.40 1	ug/l	GEK003
				KK8	Chlordane	LT 9.50 -2	ug/l	GEG008
				UM25	Chlordane	LT 3.70 1	ug/l	GEK003
				UM25	p-Chlorophenylmethyl Sulfide	LT 1.00 1	ug/l	GEK003
				UM25	p-Chlorophenylmethyl Sulfoxide	LT 1.50 1	ug/l	GEK003
				UM25	p-Chlorophenylmethyl Sulfone	LT 5.30 0	ug/l	GEK003
				GG8	Chromium (filtered)	LT 2.40 1	ug/l	GEP015
				GG8	Chromium	LT 2.40 1	ug/l	GEP016
				GG8	Copper (filtered)	LT 2.60 1	ug/l	GEP015
				GG8	Copper	LT 2.60 1	ug/l	GEP016
				TF20	Cyanide	LT 5.00 0	ug/l	GCR019
				AY8	Dibromochloropropane	LT 1.95 -1	ug/l	GEE008
				UM25	Dibromochloropropane	LT 1.20 1	ug/l	GEK003
				P8	Dicyclopentadiene	LT 5.00 0	ug/l	GEI008
				UM25	Dicyclopentadiene	LT 5.50 0	ug/l	GEK003
				UM25	Vapona	LT 8.50 0	ug/l	GEK003
				UH11	Vapona	6.35 -1	ug/l	GEJ008
				AT8	Diisopropylmethyl Phosphonate	LT 3.92 -1	ug/l	GEH008
				UM25	Diisopropylmethyl Phosphonate	LT 2.10 1	ug/l	GEK003
				UM25	Dithiane	LT 3.30 0	ug/l	GEK003
				KK8	Dieldrin	LT 5.00 -2	ug/l	GEG008
				UM25	Dieldrin	LT 2.60 1	ug/l	GEK003
				AT8	Dimethylmethyl Phosphate	LT 1.88 -1	ug/l	GEH008
				UM25	Dimethylmethyl Phosphate	LT 1.30 2	ug/l	GEK003
				KK8	Endrin	LT 5.00 -2	ug/l	GEG008
				UM25	Endrin	LT 1.80 1	ug/l	GEK003
				AV8	Ethylbenzene	LT 1.37 0	ug/l	GCS019
				HH8A	Fluoride	1.55 3	ug/l	GCK019
				CC8	Mercury (filtered)	LT 1.00 -1	ug/l	GCM035
				CC8	Mercury	LT 1.00 -1	ug/l	GCM036

Note: Results for some parameters may appear in more than one analytical fraction.

Summary of Analytical Results

Surface Water Samples for Spring 89

Sampling Date	Station Number	Sample Depth (cm)	Sample Type	Method	Analytical Parameters	Results	Units	Sample Number
89114	SW30002	0.2	STRM	KK8	Isodrin	LT 5.10 -2	ug/l	GEG008
					UM25 Isodrin	LT 7.80 0	ug/l	GEK003
					GG8 Potassium (filtered)	4.18 3	ug/l	GEP015
					GG8 Potassium	3.89 3	ug/l	GEP016
					AV8 Toluene	LT 1.47 0	ug/l	GCS019
					GG8 Magnesium (filtered)	3.02 4	ug/l	GEP015
					GG8 Magnesium	2.78 4	ug/l	GEP016
					P8 Methylisobutyl Ketone	LT 4.90 0	ug/l	GEI008
					UM25 Malathion	LT 2.10 1	ug/l	GEK003
					UH11 Malathion	LT 3.73 -1	ug/l	GEJ008
					GG8 Sodium (filtered)	1.20 5	ug/l	GEP015
					GG8 Sodium	1.10 5	ug/l	GEP016
					LL8 Nitrite,Nitrate - Non specific	7.50 2	ug/l	GCL019
					UM25 1,4-Oxathiane	LT 2.70 1	ug/l	GEK003
					GG8 Lead (filtered)	LT 7.40 1	ug/l	GEP015
					GG8 Lead	LT 7.40 1	ug/l	GEP016
					KK8 Dichlorodiphenylethane	LT 5.40 -2	ug/l	GEG008
					UM25 Dichlorodiphenylethane	LT 1.40 1	ug/l	GEK003
					KK8 Dichlorodiphenyltrichloro-ethane	LT 4.90 -2	ug/l	GEG008
					UM25 Dichlorodiphenyltrichloro-ethane	LT 1.80 1	ug/l	GEK003
					UM25 Parathion	LT 3.70 1	ug/l	GEK003
					UH11 Parathion	LT 6.47 -1	ug/l	GEJ008
					HH8A Sulfate	1.90 5	ug/l	GCK019
					UM25 2-Chloro-1(2,4-Dichlorophenyl) Vinyl-diethyl Phosphates	LT 1.90 1	ug/l	GEK003
					UH11 2-Chloro-1(2,4-Dichlorophenyl) Vinyl-diethyl Phosphates	LT 7.87 -1	ug/l	GEJ008
					AV8 Ortho- & Para-Xylene	LT 1.36 0	ug/l	GCS019
					GG8 Zinc (filtered)	LT 2.20 1	ug/l	GEP015
					GG8 Zinc	LT 2.20 1	ug/l	GEP016
89114	SW30002	5.0	STRM	AAAB	Benzothiazole	LT 5.00 0	ug/l	GEF008
				AAAB	p-Chlorophenylmethyl Sulfide	LT 5.69 0	ug/l	GEF008

Note: Results for some parameters may appear in more than one analytical fraction.

Summary of Analytical Results

Surface Water Samples for Spring 89

Sampling Date	Station Number	Sample Depth (cm)	Sample Type	Method	Analytical Parameters	Results	Units	Sample Number
89114	SW30002	5.0	STRM	AAAS	p-Chlorophenylmethyl Sulfoxide	LT 1.15 1	ug/l	GEF008
				AAAS	p-Chlorophenylmethyl Sulfone	LT 7.46 0	ug/l	GEF008
				AAAS	Dithiane	LT 1.34 0	ug/l	GEF008
				AAAS	Dimethyldisulfide	LT 5.50 -1	ug/l	GEF008
				AAAS	1,4-Oxathiane	LT 2.38 0	ug/l	GEF008
89114	SW30002B	0.2	STRM	NN9	1,1,1-Trichloroethane	LT 8.80 -2	ug/l	GDY007
				NN9	1,1,2-Trichloroethane	LT 2.60 -1	ug/l	GDY007
				NN9	1,1-Dichloroethene	LT 2.40 -1	ug/l	GDY007
				NN9	1,1-Dichloroethane	LT 7.40 -2	ug/l	GDY007
				NN9	1,2-Dichloroethene	LT 2.60 -1	ug/l	GDY007
				NN9	1,2-Dichloroethane	LT 8.50 -2	ug/l	GDY007
				AA9	m-Xylene	LT 2.60 -1	ug/l	GDW007
				KK9A	Aldrin	LT 1.90 -3	ug/l	GEB007
				B9	Arsenic	LT 2.50 0	ug/l	GDM012
				LH15	Atrazine	1.57 1	ug/l	GEA007
				ZZ9	Bicycloheptadiene	LT 5.08 0	ug/l	IKY006
				HH9	Benzothiazole	LT 2.04 0	ug/l	GEC006
				AA9	Benzene	LT 6.50 -2	ug/l	GDW007
				NN9	Carbon Tetrachloride	LT 1.20 -1	ug/l	GDY007
				P9	Cadmium	LT 7.40 -1	ug/l	GDK012
				NN9	Methylene Chloride	LT 3.70 0	ug/l	GDY007
				NN9	Chloroform	LT 6.80 -2	ug/l	GDY007
				KK9A	Hexachlorocyclopentadiene	LT 1.80 -3	ug/l	GEB007
				NN9	Chlorobenzene	LT 2.00 -1	ug/l	GDY007
				KK9A	Chlordane	LT 2.30 -2	ug/l	GEB007
				HH9	p-Chlorophenylmethyl Sulfide	LT 4.40 0	ug/l	GEC006
				HH9	p-Chlorophenylmethyl Sulfoxide	5.40 0	ug/l	GEC006
				HH9	p-Chlorophenylmethyl Sulfone	LT 9.01 0	ug/l	GEC006
				P9	Chromium	LT 6.50 0	ug/l	GDK012
				P9	Copper	LT 4.70 0	ug/l	GDK012
				S9	Dibromochloropropane	LT 5.00 -3	ug/l	GED007
				ZZ9	Dicyclopentadiene	LT 5.12 0	ug/l	IKY006
				LH15	Vapona	LT 8.00 -2	ug/l	GEA007

Summary of Analytical Results

Surface Water Samples for Spring 89

Sampling Date	Station Number	Sample Depth (cm)	Sample Type	Method	Analytical Parameters	Results	Units	Sample Number
89114	SW30002B	0.2	STRM	TT9	Diisopropylmethyl Phosphonate	LT 1.14 -1	ug/l	KSU008
				HH9	Dithiane	LT 1.45 0	ug/l	GEC006
				KK9A	Dieldrin	LT 3.30 -3	ug/l	GEB007
				HH9	Dimethyldisulfide	LT 3.12 0	ug/l	GEC006
				TT9	Dimethylmethyl Phosphate	LT 1.33 -1	ug/l	KSU008
				KK9A	Endrin	LT 5.80 -3	ug/l	GEB007
				AA9	Ethylbenzene	LT 1.60 -1	ug/l	GDW007
				AAA9	Fluoroacetic Acid	LT 2.00 0	ug/l	KRS008
				Y9	Mercury	LT 5.00 -2	ug/l	GDL012
				AAA9	Isopropylmethyl Phosphonic Acid	LT 2.11 0	ug/l	KRS008
				KK9A	Isodrin	LT 1.10 -3	ug/l	GEB007
				AA9	Toluene	LT 1.90 -1	ug/l	GDW007
				ZZ9	Methylisobutyl Ketone	LT 5.24 0	ug/l	IKY006
				LH15	Malathion	LT 1.26 -1	ug/l	GEA007
				HH9	1,4-Oxathiane	LT 1.74 0	ug/l	GEC006
				P9	Lead	LT 8.40 0	ug/l	GDK012
				KK9A	Dichlorodiphenylethane	LT 2.40 -3	ug/l	GEB007
				KK9A	Dichlorodiphenyltrichloroethane	LT 2.00 -3	ug/l	GEB007
				LH15	Parathion	LT 1.59 -1	ug/l	GEA007
				LH15	2-Chloro-1(2,4-Dichlorophenyl) Vinyl diethyl Phosphates	LT 1.48 -1	ug/l	GEA007
				NN9	Tetrachloroethene	LT 2.70 -1	ug/l	GDY007
				NN9	Trichloroethene	LT 1.40 -1	ug/l	GDY007
				AA9	Ortho- & Para-Xylene	LT 3.90 -1	ug/l	GDW007
				P9	Zinc	LT 8.70 0	ug/l	GDK012
89114	SW31001	0.1	STRM	AV8	m-Xylene	LT 1.32 0	ug/l	GCS018
				KK8	Aldrin	LT 5.00 -2	ug/l	GEG007
				UM25	Aldrin	LT 1.30 1	ug/l	GEK002
				00	ALKALINITY	2.74 2	ug/l	GCI018
				AX8	Arsenic (filtered)	LT 2.35 0	ug/l	GFI007
				AX8	Arsenic	LT 2.35 0	ug/l	GFI008
				UM25	Atrazine	LT 5.90 0	ug/l	GEK002

Summary of Analytical Results

Surface Water Samples for Spring 89

Sampling Date	Station Number	Sample Depth (cm)	Sample Type	Method	Analytical Parameters	Results	Units	Sample Number
89114	SW31001	0.1	STRM	UH11	Atrazine	LT 4.03 0	ug/l	GEJ007
				P8	Bicycloheptadiene	LT 5.90 0	ug/l	GEI007
				AV8	Benzene	LT 1.05 0	ug/l	GCS018
				GG8	Calcium (filtered)	5.81 4	ug/l	GEP013
				GG8	Calcium	6.55 4	ug/l	GEP014
				GG8	Cadmium (filtered)	LT 8.40 0	ug/l	GEP013
				GG8	Cadmium	LT 8.40 0	ug/l	GEP014
				HH8A	Chloride	4.40 4	ug/l	GCK018
				KK8	Hexachlorocyclopentadiene	LT 4.80 -2	ug/l	GEG007
				UM25	Hexachlorocyclopentadiene	LT 5.40 1	ug/l	GEK002
				KK8	Chlordane	LT 9.50 -2	ug/l	GEG007
				UM25	Chlordane	LT 3.70 1	ug/l	GEK002
				UM25	p-Chlorophenylmethyl Sulfide	LT 1.00 1	ug/l	GEK002
				UM25	p-Chlorophenylmethyl Sulfoxide	LT 1.50 1	ug/l	GEK002
				UM25	p-Chlorophenylmethyl Sulfone	LT 5.30 0	ug/l	GEK002
				GG8	Chromium (filtered)	LT 2.40 1	ug/l	GEP013
				GG8	Chromium	LT 2.40 1	ug/l	GEP014
				GG8	Copper (filtered)	LT 2.60 1	ug/l	GEP013
				GG8	Copper	LT 2.60 1	ug/l	GEP014
				TF20	Cyanide	LT 5.00 0	ug/l	OCR018
				AY8	Dibromochloropropane	LT 1.95 -1	ug/l	GEE007
				UM25	Dibromochloropropane	LT 1.20 1	ug/l	GEK002
				P8	Dicyclopentadiene	LT 5.00 0	ug/l	GEI007
				UM25	Dicyclopentadiene	LT 5.50 0	ug/l	GEK002
				UM25	Vapona	LT 8.50 0	ug/l	GEK002
				UH11	Vapona	LT 3.84 -1	ug/l	GEJ007
				AT8	Diisopropylmethyl Phosphonate	LT 3.92 -1	ug/l	GEH007
				UM25	Diisopropylmethyl Phosphonate	LT 2.10 1	ug/l	GEK002
				UM25	Dithiane	LT 3.30 0	ug/l	GEK002
				KK8	Dieldrin	LT 5.00 -2	ug/l	GEG007
				UM25	Dieldrin	LT 2.60 1	ug/l	GEK002
				AT8	Dimethylmethyl Phosphate	LT 1.88 -1	ug/l	GEH007
				UM25	Dimethylmethyl Phosphate	LT 1.30 2	ug/l	GEK002
				KK8	Endrin	LT 5.00 -2	ug/l	GEG007

Summary of Analytical Results

Surface Water Samples for Spring 89

Sampling Date	Station Number	Sample Depth (cm)	Sample Type	Method	Analytical Parameters	Results	Units	Sample Number
89114	SW31001	0.1	STRM	UM25	Endrin	LT 1.80	1 ug/l	GEK002
				AV8	Ethylbenzene	LT 1.37	0 ug/l	GCS018
				HH8A	Fluoride	1.95	3 ug/l	GCK018
				CC8	Mercury (filtered)	LT 1.00	-1 ug/l	GCN033
				CC8	Mercury	LT 1.00	-1 ug/l	GCN034
				KK8	Isodrin	LT 5.10	-2 ug/l	GEG007
				UM25	Isodrin	LT 7.80	0 ug/l	GEK002
				GG8	Potassium (filtered)	3.78	3 ug/l	GEP013
				GG8	Potassium	3.85	3 ug/l	GEP014
				AV8	Toluene	LT 1.47	0 ug/l	GCS018
				GG8	Magnesium (filtered)	2.79	4 ug/l	GEP013
				GG8	Magnesium	3.04	4 ug/l	GEP014
				P8	Methylisobutyl Ketone	LT 4.90	0 ug/l	GEI007
				UM25	Malathion	LT 2.10	1 ug/l	GEK002
				UH11	Malathion	LT 3.73	-1 ug/l	GEJ007
				GG8	Sodium (filtered)	9.74	4 ug/l	GEP013
				GG8	Sodium	9.48	4 ug/l	GEP014
				LL8	Nitrite,Nitrate - Non specific	5.20	3 ug/l	GCL018
				UM25	1,4-Oxathiane	LT 2.70	1 ug/l	GEK002
				GG8	Lead (filtered)	LT 7.40	1 ug/l	GEP013
				GG8	Lead	LT 7.40	1 ug/l	GEP014
				KK8	Dichlorodiphenylethane	LT 5.40	-2 ug/l	GEG007
				UM25	Dichlorodiphenylethane	LT 1.40	1 ug/l	GEK002
				KK8	Dichlorodiphenyltrichloro-ethane	LT 4.90	-2 ug/l	GEG007
				UM25	Dichlorodiphenyltrichloro-ethane	LT 1.80	1 ug/l	GEK002
				UM25	Parathion	LT 3.70	1 ug/l	GEK002
				UH11	Parathion	LT 6.47	-1 ug/l	GEJ007
				HH8A	Sulfate	1.30	5 ug/l	GCK018
				UM25	2-Chloro-1(2,4-Dichlorophenyl) Vinyl-diethyl Phosphates	LT 1.90	1 ug/l	GEK002
				UH11	2-Chloro-1(2,4-Dichlorophenyl) Vinyl-diethyl Phosphates	LT 7.87	-1 ug/l	GEJ007

Note: Results for some parameters may appear in more than one analytical fraction.

Summary of Analytical Results

Surface Water Samples for Spring 89

Sampling Date	Station Number	Sample Depth (cm)	Sample Type	Method	Analytical Parameters	Results	Units	Sample Number
89114	SW31001	0.1	STRM	AV8	Ortho- & Para-Xylene	LT 1.36	0 ug/l	GCS018
				GG8	Zinc (filtered)	LT 2.20	1 ug/l	GEP013
				GG8	Zinc	LT 2.20	1 ug/l	GEP014
89114	SW31001	3.0	STRM	AAAS	Benothiazole	LT 5.00	0 ug/l	GEF007
				AAAS	p-Chlorophenylmethyl Sulfide	LT 5.69	0 ug/l	GEF007
				AAAS	p-Chlorophenylmethyl Sulfoxide	LT 1.15	1 ug/l	GEF007
				AAAS	p-Chlorophenylmethyl Sulfone	LT 7.46	0 ug/l	GEF007
				AAAS	Dithiane	LT 1.34	0 ug/l	GEF007
				AAAS	Dimethyldisulfide	LT 5.50	-1 ug/l	GEF007
				AAAS	1,4-Oxathiane	LT 2.38	0 ug/l	GEF007
89114	SW31001B	0.1	STRM	NN9	1,1,1-Trichloroethane	LT 8.80	-2 ug/l	GDY008
				NN9	1,1,2-Trichloroethane	LT 2.60	-1 ug/l	GDY008
				NN9	1,1-Dichloroethene	LT 2.40	-1 ug/l	GDY008
				NN9	1,1-Dichloroethane	LT 7.40	-2 ug/l	GDY008
				NN9	1,2-Dichloroethene	LT 2.60	-1 ug/l	GDY008
				NN9	1,2-Dichloroethane	LT 8.50	-2 ug/l	GDY008
				AA9	m-Xylene	LT 2.60	-1 ug/l	GDW008
				KK9A	Aldrin	LT 1.90	-3 ug/l	GEB008
				B9	Arsenic	LT 2.50	0 ug/l	GDM013
				LH15	Atrazine	4.55	0 ug/l	GEA008
				ZZ9	Bicycloheptadiene	LT 5.08	0 ug/l	IKY007
				HH9	Benothiazole	LT 2.04	0 ug/l	GEC007
				AA9	Benzene	LT 8.50	-2 ug/l	GDW008
				NN9	Carbon Tetrachloride	LT 1.20	-1 ug/l	GDY008
				P9	Cadmium	LT 7.40	-1 ug/l	GDK013
				NN9	Methylene Chloride	LT 3.70	0 ug/l	GDY008
				NN9	Chloroform	LT 6.80	-2 ug/l	GDY008
				KK9A	Hexachlorocyclopentadiene	LT 1.80	-3 ug/l	GEB008
				NN9	Chlorobenzene	LT 2.00	-1 ug/l	GDY008
				KK9A	Chlordane	LT 2.30	-2 ug/l	GEB008
				HH9	p-Chlorophenylmethyl Sulfide	LT 4.40	0 ug/l	GEC007
				HH9	p-Chlorophenylmethyl Sulfoxide	LT 4.81	0 ug/l	GEC007
				HH9	p-Chlorophenylmethyl Sulfone	LT 9.01	0 ug/l	GEC007

Note: Results for some parameters may appear in more than one analytical fraction.

Summary of Analytical Results

Surface Water Samples for Spring 89

Sampling Date	Station Number	Sample Depth (cm)	Sample Type	Method	Analytical Parameters	Results	Units	Sample Number
89114	SW31001B	0.1	STRM	P9	Chromium	1.18 1	ug/l	GDK013
				P9	Copper	1.05 1	ug/l	GDK013
				S9	Dibromochloropropane	LT 5.00 -3	ug/l	GED008
				ZZ9	Dicyclopentadiene	LT 5.12 0	ug/l	IKY007
				LH15	Vapona	LT 8.00 -2	ug/l	GEA008
				TT9	Diisopropylmethyl Phosphonate	LT 1.14 -1	ug/l	KSU009
				HH9	Dithiane	LT 1.45 0	ug/l	GEC007
				KK9A	Dieldrin	1.88 -2	ug/l	GEB008
				HH9	Dimethyldisulfide	LT 3.12 0	ug/l	GEC007
				TT9	Dimethylmethyl Phosphate	LT 1.33 -1	ug/l	KSU009
				KK9A	Endrin	1.88 -2	ug/l	GEB008
				AA9	Ethylbenzene	LT 1.60 -1	ug/l	GDW008
				AAA9	Fluoroacetic Acid	LT 2.00 0	ug/l	KRS009
				Y9	Mercury	LT 5.00 -2	ug/l	GDLO13
				AAA9	Isopropylmethyl Phosphonic Acid	LT 2.11 0	ug/l	KRS009
				KK9A	Isodrin	LT 1.10 -3	ug/l	GEB008
				AA9	Toluene	LT 1.90 -1	ug/l	GDW008
				ZZ9	Methylisobutyl Ketone	LT 5.24 0	ug/l	IKY007
				LH15	Malathion	LT 1.26 -1	ug/l	GEA008
				HH9	1,4-Oxathiane	LT 1.74 0	ug/l	GEC007
				P9	Lead	LT 8.40 0	ug/l	GDK013
				KK9A	Dichlorodiphenylethane	LT 2.40 -3	ug/l	GEB008
				KK9A	Dichlorodiphenyltrichloroethane	LT 2.00 -3	ug/l	GEB008
				LH15	Parathion	LT 1.59 -1	ug/l	GEA008
				LH15	2-Chloro-1(2,4-Dichlorophenyl) Vinyl-diethyl Phosphates	LT 1.48 -1	ug/l	GEA008
				NN9	Tetrachloroethene	LT 2.70 -1	ug/l	GDY008
				NN9	Trichloroethene	LT 1.40 -1	ug/l	GDY008
				AA9	Ortho- & Para-Xylene	LT 3.90 -1	ug/l	GDW008
				P9	Zinc	4.32 1	ug/l	GDK013
89115	SW31002	0.1	POND	AV8	m-Xylene	LT 1.32 0	ug/l	GCS022
				KK8	Aldrin	LT 5.00 -2	ug/l	GEG011

Summary of Analytical Results

Surface Water Samples for Spring 89

Sampling Date	Station Number	Sample Depth (cm)	Sample Type	Method	Analytical Parameters	Results	Units	Sample Number
89115	SW31002	0.1	POND	UM25	Aldrin	LT 1.30	1 ug/l	GEK005
				00	ALKALINITY	2.86	2 ug/l	GE0006
				AX8	Arsenic (filtered)	LT 2.35	0 ug/l	GFI015
				AX8	Arsenic	LT 2.35	0 ug/l	GFI016
				UM25	Atrazine	LT 5.90	0 ug/l	GEK005
				UH11	Atrazine	LT 4.03	0 ug/l	GEJ011
				P8	Bicycloheptadiene	LT 5.90	0 ug/l	GEI011
				AV8	Benzene	LT 1.05	0 ug/l	GCS022
				GG8	Calcium (filtered)	8.37	4 ug/l	GEP021
				GG8	Calcium	8.71	4 ug/l	GEP022
				GG8	Cadmium (filtered)	LT 8.40	0 ug/l	GEP021
				GG8	Cadmium	LT 8.40	0 ug/l	GEP022
				HH8A	Chloride	4.40	4 ug/l	GCK022
				KK8	Hexachlorocyclopentadiene	LT 4.80	-2 ug/l	GEG011
				UM25	Hexachlorocyclopentadiene	LT 5.40	1 ug/l	GEK005
				KK8	Chlordane	LT 9.50	-2 ug/l	GEG011
				UM25	Chlordane	LT 3.70	1 ug/l	GEK005
				UM25	p-Chlorophenylmethyl Sulfide	LT 1.00	1 ug/l	GEK005
				UM25	p-Chlorophenylmethyl Sulfoxide	LT 1.50	1 ug/l	GEK005
				UM25	p-Chlorophenylmethyl Sulfone	LT 5.30	0 ug/l	GEK005
				GG8	Chromium (filtered)	LT 2.40	1 ug/l	GEP021
				GG8	Chromium	LT 2.40	1 ug/l	GEP022
				GG8	Copper (filtered)	LT 2.60	1 ug/l	GEP021
				GG8	Copper	LT 2.60	1 ug/l	GEP022
				TF20	Cyanide	LT 5.00	0 ug/l	GEN006
				AY8	Dibromochloropropane	LT 1.95	-1 ug/l	GEE011
				UM25	Dibromochloropropane	LT 1.20	1 ug/l	GEK005
				P8	Dicyclopentadiene	LT 5.00	0 ug/l	GEI011
				UM25	Dicyclopentadiene	LT 5.50	0 ug/l	GEK005
				UM25	Vapona	LT 8.50	0 ug/l	GEK005
				UH11	Vapona	LT 3.84	-1 ug/l	GEJ011
				AT8	Diisopropylmethyl Phosphonate	LT 3.92	-1 ug/l	GEH011
				UM25	Diisopropylmethyl Phosphonate	LT 2.10	1 ug/l	GEK005
				UM25	Dithiane	LT 3.30	0 ug/l	GEK005

Note: Results for some parameters may appear in more than one analytical fraction.

Summary of Analytical Results

Surface Water Samples for Spring 89

Sampling Date	Station Number	Sample Depth (cm)	Sample Type	Method	Analytical Parameters	Results	Units	Sample Number
89115	SW31002	0.1	POND	KK8	Dieldrin	LT 5.00 -2	ug/l	GEG011
				UM25	Dieldrin	LT 2.60 1	ug/l	GEK005
				AT8	Dimethylmethyl Phosphate	LT 1.88 -1	ug/l	GEH011
				UM25	Dimethylmethyl Phosphate	LT 1.30 2	ug/l	GEK005
				KK8	Endrin	LT 5.00 -2	ug/l	GEG011
				UM25	Endrin	LT 1.80 1	ug/l	GEK005
				AV8	Ethylbenzene	LT 1.37 0	ug/l	GCS022
				HH8A	Fluoride	1.39 3	ug/l	GCK022
				CC8	Mercury (filtered)	LT 1.00 -1	ug/l	GCN041
				CC8	Mercury	LT 1.00 -1	ug/l	GCN042
				KK8	Isodrin	LT 5.10 -2	ug/l	GEG011
				UM25	Isodrin	LT 7.80 0	ug/l	GEK005
				GG8	Potassium (filtered)	4.37 3	ug/l	GEP021
				GG8	Potassium	4.48 3	ug/l	GEP022
				AV8	Toluene	LT 1.47 0	ug/l	GCS022
				GG8	Magnesium (filtered)	2.39 4	ug/l	GEP021
				GG8	Magnesium	2.48 4	ug/l	GEP022
				P8	Methylisobutyl Ketone	LT 4.90 0	ug/l	GEI011
				UM25	Malathion	LT 2.10 1	ug/l	GEK005
				UH11	Malathion	LT 3.73 -1	ug/l	GEJ011
				GG8	Sodium (filtered)	9.03 4	ug/l	GEP021
				GG8	Sodium	8.96 4	ug/l	GEP022
				LL8	Nitrite,Nitrate - Non specific	7.65 1	ug/l	GCL022
				UM25	1,4-Oxathiane	LT 2.70 1	ug/l	GEK005
				GG8	Lead (filtered)	LT 7.40 1	ug/l	GEP021
				GG8	Lead	LT 7.40 1	ug/l	GEP022
				KK8	Dichlorodiphenylethane	LT 5.40 -2	ug/l	GEG011
				UM25	Dichlorodiphenylethane	LT 1.40 1	ug/l	GEK005
				KK8	Dichlorodiphenyltrichloro-ethane	LT 4.90 -2	ug/l	GEG011
				UM25	Dichlorodiphenyltrichloro-ethane	LT 1.80 1	ug/l	GEK005
				UM25	Parathion	LT 3.70 1	ug/l	GEK005
				UH11	Parathion	LT 6.47 -1	ug/l	GEJ011

Summary of Analytical Results

Surface Water Samples for Spring 89

Sampling Date	Station Number	Sample Depth (cm)	Sample Type	Method	Analytical Parameters	Results	Units	Sample Number
89115	SW31002	0.1	POND	HH8A	Sulfate	1.50	5 ug/l	GCK022
				UM25	2-Chloro-1(2,4-Dichlorophenyl) Vinyl-diethyl Phosphates	LT 1.90	1 ug/l	GEK005
				UH11	2-Chloro-1(2,4-Dichlorophenyl) Vinyl-diethyl Phosphates	LT 7.87	-1 ug/l	GEJ011
				AV8	Ortho- & Para-Xylene	LT 1.36	0 ug/l	GCS022
				GG8	Zinc (filtered)	LT 2.20	1 ug/l	GEP021
				GG8	Zinc	LT 2.20	1 ug/l	GEP022
89115	SW31002	4.0	POND	AA88	Benzothiazole	LT 5.00	0 ug/l	GEF011
				AA88	p-Chlorophenylmethyl Sulfide	LT 5.69	0 ug/l	GEF011
				AA88	p-Chlorophenylmethyl Sulfoxide	LT 1.15	1 ug/l	GEF011
				AA88	p-Chlorophenylmethyl Sulfone	LT 7.46	0 ug/l	GEF011
				AA88	Dithiane	LT 1.34	0 ug/l	GEF011
				AA88	Dimethyldisulfide	LT 5.50	-1 ug/l	GEF011
				AA88	1,4-Oxathiane	LT 2.38	0 ug/l	GEF011
89115	SW31002B	0.1	POND	NN9	1,1,1-Trichloroethane	LT 8.80	-2 ug/l	GDY011
				NN9	1,1,2-Trichloroethane	LT 2.60	-1 ug/l	GDY011
				NN9	1,1-Dichloroethene	LT 2.40	-1 ug/l	GDY011
				NN9	1,1-Dichloroethane	LT 7.40	-2 ug/l	GDY011
				NN9	1,2-Dichloroethene	LT 2.60	-1 ug/l	GDY011
				NN9	1,2-Dichloroethane	LT 8.50	-2 ug/l	GDY011
				AA9	m-Xylene	LT 2.60	-1 ug/l	GDW011
				KK9A	Aldrin	LT 1.90	-3 ug/l	GEB011
				B9	Arsenic	LT 2.50	0 ug/l	GDM016
				LH15	Atrazine	3.03	-1 ug/l	GEA011
				ZZ9	Bicycloheptadiene	LT 5.08	0 ug/l	IKY008
				HH9	Benzothiazole	LT 2.04	0 ug/l	GEC010
				AA9	Benzene	LT 8.50	-2 ug/l	GDW011
				NN9	Carbon Tetrachloride	LT 1.20	-1 ug/l	GDY011
				P9	Cadmium	LT 7.40	-1 ug/l	GDK016
				NN9	Methylene Chloride	LT 3.70	0 ug/l	GDY011
				NN9	Chloroform	LT 6.80	-2 ug/l	GDY011
				KK9A	Hexachlorocyclopentadiene	LT 1.80	-3 ug/l	GEB011

Note: Results for some parameters may appear in more than one analytical fraction.

Summary of Analytical Results

Surface Water Samples for Spring 89

Sampling Date	Station Number	Sample Depth (cm)	Sample Type	Method	Analytical Parameters	Results	Units	Sample Number
891115	SW31002B	0.1	POND	NN9	Chlorobenzene	LT 2.00 -1	ug/l	GDY011
				KK9A	Chlordane	LT 2.30 -2	ug/l	GEB011
				HH9	p-Chlorophenylmethyl Sulfide	LT 4.40 0	ug/l	GEC010
				HH9	p-Chlorophenylmethyl Sulfoxide	LT 4.81 0	ug/l	GEC010
				HH9	p-Chlorophenylmethyl Sulfone	LT 9.01 0	ug/l	GEC010
				P9	Chromium	1.31 1	ug/l	GDK016
				P9	Copper	1.17 1	ug/l	GDK016
				S9	Dibromochloropropane	LT 5.00 -3	ug/l	GED011
				ZZ9	Dicyclopentadiene	LT 5.12 0	ug/l	IKY008
				LH15	Vapona	3.68 -1	ug/l	GEO011
				TT9	Diisopropylmethyl Phosphonate	LT 1.14 -1	ug/l	KSU010
				HH9	Dithiane	LT 1.45 0	ug/l	GEC010
				KK9A	Dieldrin	LT 3.30 -3	ug/l	GEB011
				HH9	Dimethyldisulfide	LT 3.12 0	ug/l	GEC010
				TT9	Dimethylmethyl Phosphate	LT 1.33 -1	ug/l	KSU010
				KK9A	Endrin	LT 5.80 -3	ug/l	GEB011
				AA9	Ethylbenzene	LT 1.60 -1	ug/l	GDW011
				AAA9	Fluoroacetic Acid	LT 2.00 0	ug/l	KRS010
				Y9	Mercury	LT 5.00 -2	ug/l	GDLO16
				AAA9	Isopropylmethyl Phosphonic Acid	LT 2.11 0	ug/l	KRS010
				KK9A	Isodrin	LT 1.10 -3	ug/l	GEB011
				AA9	Toluene	LT 1.90 -1	ug/l	GDW011
				ZZ9	Methylisobutyl Ketone	LT 5.24 0	ug/l	IKY008
				LH15	Malathion	LT 1.26 -1	ug/l	GEO011
				HH9	1,4-Oxathiane	LT 1.74 0	ug/l	GEC010
				P9	Lead	1.87 1	ug/l	GDK016
				KK9A	Dichlorodiphenylethane	LT 2.40 -3	ug/l	GEB011
				KK9A	Dichlorodiphenyltrichloroethane	LT 2.00 -3	ug/l	GEB011
				LH15	Parathion	LT 1.59 -1	ug/l	GEO011
				LH15	2-Chloro-1(2,4-Dichlorophenyl) Vinyl-diethyl Phosphates	LT 1.48 -1	ug/l	GEO011
				NN9	Tetrachloroethene	LT 2.70 -1	ug/l	GDY011

Summary of Analytical Results

Surface Water Samples for Spring 89

Sampling Date	Station Number	Sample Depth (cm)	Sample Type	Method	Analytical Parameters	Results	Units	Sample Number
89115	SW31002B	0.1	POND	NN9	Trichloroethene	LT 1.40 -1	ug/l	GDY011
				AA9	Ortho- & Para-Xylene	LT 3.90 -1	ug/l	GDW011
				P9	Zinc	4.94 1	ug/l	GDK016
89118	SW36001	0.1	STRM	UM21	1,1,1-Trichloroethane	LT 1.00 0	ug/l	GFW007
				N8	1,1,1-Trichloroethane	LT 7.60 -1	ug/l	GHE009
				UM21	1,1,2-Trichloroethane	LT 1.00 0	ug/l	GFW007
				N8	1,1,2-Trichloroethane	1.20 1	ug/l	GHE009
				UM21	1,1-Dichloroethene	LT 1.00 0	ug/l	GFW007
				N8	1,1-Dichloroethene	LT 1.70 0	ug/l	GHE009
				UM21	1,1-Dichloroethane	LT 1.00 0	ug/l	GFW007
				N8	1,1-Dichloroethane	LT 7.30 -1	ug/l	GHE009
				UM21	1,2-Dichloroethene	LT 5.00 0	ug/l	GFW007
				N8	1,2-Dichloroethene	7.30 1	ug/l	GHE009
				UM21	1,2-Dichloroethane	LT 1.00 0	ug/l	GFW007
				N8	1,2-Dichloroethane	LT 1.10 0	ug/l	GHE009
				UM21	1,2-Dichloropropane	LT 1.00 0	ug/l	GFW007
				UM21	1,3-Dichlorobenzene	LT 1.00 0	ug/l	GFW007
				UM21	1,3-Dichloropropane	LT 4.80 0	ug/l	GFW007
				UM21	m-Xylene	4.04 2	ug/l	GFW007
				AV8	m-Xylene	1.80 2	ug/l	GHD009
				UM21	2-Chloroethylvinyl Ether	LT 3.50 0	ug/l	GFW007
				UM21	Acrylonitrile	LT 8.40 0	ug/l	GFW007
				KK8	Aldrin	6.50 0	ug/l	GFG025
				UM25	Aldrin	LT 1.30 1	ug/l	GFV011
				00	ALKALINITY	3.46 2	ug/l	GGX005
				AX8	Arsenic (filtered)	2.60 2	ug/l	GFX027
				AX8	Arsenic	2.60 2	ug/l	GFX028
				UH11	Atrazine	3.70 2	ug/l	GFK016
				UM25	Atrazine	5.08 1	ug/l	GFV011
				P8	Bicycloheptadiene	5.34 1	ug/l	GFD016
				UM21	Bromodichloromethane	LT 1.00 0	ug/l	GFW007
				AAA8	Benzothiazole	LT 5.00 0	ug/l	GGK005
				UM21	Vinyl Chloride	LT 1.20 1	ug/l	GFW007

Summary of Analytical Results

Surface Water Samples for Spring 89

Sampling Date	Station Number	Sample Depth (cm)	Sample Type	Method	Analytical Parameters	Results	Units	Sample Number
89118	SW36001	0.1	STRM	UM21	Chloroethane	LT 8.00 0	ug/l	GFW007
				UM21	Benzene	2.12 2	ug/l	GFW007
				AV8	Benzene	3.60 2	ug/l	GHD009
				GG8	Calcium (filtered)	6.66 4	ug/l	GHH026
				GG8	Calcium	6.46 4	ug/l	GHH027
				UM21	Trichlorofluoromethane	LT 1.00 0	ug/l	GFW007
				UM21	Carbon Tetrachloride	LT 1.00 0	ug/l	GFW007
				N8	Carbon Tetrachloride	LT 9.90 -1	ug/l	GHE009
				GG8	Cadmium (filtered)	1.35 1	ug/l	GHH026
				GG8	Cadmium	1.49 1	ug/l	GHH027
				UM21	Methylene Chloride	LT 1.00 0	ug/l	GFW007
				N8	Methylene Chloride	LT 7.40 0	ug/l	GHE009
				UM21	Bromomethane	LT 1.40 1	ug/l	GFW007
				UM21	Chloromethane	LT 1.20 0	ug/l	GFW007
				UM21	Bromoform	LT 1.10 1	ug/l	GFW007
				UM21	Chloroform	7.45 2	ug/l	GFW007
				N8	Chloroform	9.40 2	ug/l	GHE009
				HH8A	Chloride	1.10 5	ug/l	GFL012
				KK8	Hexachlorocyclopentadiene	1.00 0	ug/l	GPG025
				UM25	Hexachlorocyclopentadiene	LT 5.40 1	ug/l	GFV011
				UM21	Chlorobenzene	5.72 3	ug/l	GFW007
				N8	Chlorobenzene	7.50 3	ug/l	GHE009
				KK8	Chlordane	6.40 1	ug/l	GPG025
				UM25	Chlordane	LT 3.70 1	ug/l	GFV011
				UM25	p-Chlorophenylmethyl Sulfide	9.81 1	ug/l	GFV011
				AA88	p-Chlorophenylmethyl Sulfide	1.20 2	ug/l	GGK005
				UM25	p-Chlorophenylmethyl Sulfoxide	LT 1.50 1	ug/l	GFV011
				AA88	p-Chlorophenylmethyl Sulfoxide	7.37 1	ug/l	GGK005
				UM25	p-Chlorophenylmethyl Sulfone	GT 3.00 2	ug/l	GFV011
				AA88	p-Chlorophenylmethyl Sulfone	1.60 3	ug/l	GGK005
				GG8	Chromium (filtered)	LT 2.40 1	ug/l	GHH026
				GG8	Chromium	LT 2.40 1	ug/l	GHH027
				GG8	Copper (filtered)	LT 2.60 1	ug/l	GHH026
				GG8	Copper	LT 2.60 1	ug/l	GHH027

Note: Results for some parameters may appear in more than one analytical fraction.

Summary of Analytical Results

Surface Water Samples for Spring 89

Sampling Date	Station Number	Sample Depth (cm)	Sample Type	Method	Analytical Parameters	Results	Units	Sample Number
89118	SW36001	0.1	STRM	TF20	Cyanide	LT 5.00	0 ug/l	GHF005
				AY8	Dibromochloropropane	1.30	2 ug/l	GFN022
				UM25	Dibromochloropropane	1.66	2 ug/l	GFV011
				UM21	Dibromochloromethane	LT 1.00	0 ug/l	GFW007
				UM21	1,4-Dichlorobenzene	7.91	3 ug/l	GFW007
				P8	Dicyclopentadiene	7.67	1 ug/l	GFD016
				UM25	Dicyclopentadiene	1.01	2 ug/l	GFV011
				UH11	Vapona	5.70	1 ug/l	GPK016
				UM25	Vapona	LT 8.50	0 ug/l	GFV011
				AT8	Diisopropylmethyl Phosphonate	4.13	0 ug/l	GFM010
				UM25	Diisopropylmethyl Phosphonate	LT 2.10	1 ug/l	GFV011
				UM25	Dithiane	LT 3.30	0 ug/l	GFV011
				AAA8	Dithiane	1.58	0 ug/l	GGK005
				KK8	Dieldrin	6.50	0 ug/l	GFG025
				UM25	Dieldrin	LT 2.60	1 ug/l	GFV011
				AAA8	Dimethyldisulfide	1.82	0 ug/l	GGK005
				UM21	Acetone	LT 8.00	0 ug/l	GFW007
				AT8	Dimethylmethyl Phosphate	1.08	1 ug/l	GFM010
				UM25	Dimethylmethyl Phosphate	LT 1.30	2 ug/l	GFV011
				KK8	Endrin	6.80	-1 ug/l	GFG025
				UM25	Endrin	LT 1.80	1 ug/l	GFV011
				UM21	Ethylbenzene	3.85	2 ug/l	GFW007
				AV8	Ethylbenzene	3.10	2 ug/l	GHD009
				HH8A	Fluoride	2.22	3 ug/l	GFL012
				CC8	Mercury (filtered)	LT 1.00	-1 ug/l	GGW028
				CC8	Mercury	LT 1.00	-1 ug/l	GGW029
				KK8	Isodrin	4.55	-1 ug/l	GFG025
				UM25	Isodrin	LT 7.80	0 ug/l	GFV011
				GG8	Potassium (filtered)	3.21	3 ug/l	GHH026
				GG8	Potassium	2.99	3 ug/l	GHH027
				UM21	Toluene	8.50	1 ug/l	GFW007
				AV8	Toluene	1.40	2 ug/l	GHD009
				UM21	Methylethyl Ketone	LT 1.00	1 ug/l	GFW007
				GG8	Magnesium (filtered)	2.55	4 ug/l	GHH026

Note: Results for some parameters may appear in more than one analytical fraction.

Summary of Analytical Results

Surface Water Samples for Spring 89

Sampling Date	Station Number	Sample Depth (cm)	Sample Type	Method	Analytical Parameters	Results	Units	Sample Number
89118	SW36001	0.1	STRM	GG8	Magnesium	2.49	4 ug/l	GHH027
				P8	Methylisobutyl Ketone	3.20	3 ug/l	GFD016
				UM21	Methylisobutyl Ketone	3.66	3 ug/l	GFW007
				UH11	Malathion	LT 3.73	-1 ug/l	GFK016
				UM25	Malathion	LT 2.10	1 ug/l	GFV011
				GG8	Sodium (filtered)	1.40	5 ug/l	GHH026
				GG8	Sodium	1.50	5 ug/l	GHH027
				LL8	Nitrite, Nitrate - Non specific	6.42	1 ug/l	GCL033
				UM25	1,4-Oxathiane	LT 2.70	1 ug/l	GFV011
				AA88	1,4-Oxathiane	LT 2.38	0 ug/l	GGK005
				GG8	Lead (filtered)	LT 7.40	1 ug/l	GHH026
				GG8	Lead	LT 7.40	1 ug/l	GHH027
				KK8	Dichlorodiphenylethane	8.99	-1 ug/l	GFG025
				UM25	Dichlorodiphenylethane	LT 1.40	1 ug/l	GFV011
				KK8	Dichlorodiphenyltrichloroethane	5.08	-1 ug/l	GFG025
				UM25	Dichlorodiphenyltrichloroethane	LT 1.80	1 ug/l	GFV011
				UH11	Parathion	GT 5.00	1 ug/l	GFK016
				UM25	Parathion	LT 3.70	1 ug/l	GFV011
				HH8A	Sulfate	5.60	4 ug/l	GFL012
				UH11	2-Chloro-1(2,4-Dichlorophenyl) Vinyl-diethyl Phosphates	1.91	0 ug/l	GFK016
				UM25	2-Chloro-1(2,4-Dichlorophenyl) Vinyl-diethyl Phosphates	LT 1.90	1 ug/l	GFV011
				UM21	1,1,2,2-Tetrachloroethane	LT 1.50	0 ug/l	GFW007
				UM21	Tetrachloroethene	2.12	2 ug/l	GFW007
				N8	Tetrachloroethene	3.40	2 ug/l	GHE009
				UM21	Trichloroethene	1.93	2 ug/l	GFW007
				N8	Trichloroethene	2.70	2 ug/l	GHE009
				UM21	Ortho- & Para-Xylene	6.89	2 ug/l	GFW007
				AV8	Ortho- & Para-Xylene	5.20	2 ug/l	GHD009
				GG8	Zinc (filtered)	3.27	1 ug/l	GHH026
				GG8	Zinc	LT 2.20	1 ug/l	GHH027

Summary of Analytical Results

Surface Water Samples for Spring 89

Sampling Date	Station Number	Sample Depth (cm)	Sample Type	Method	Analytical Parameters	Results	Units	Sample Number
89118	SW36001B	0.1	STRM	N9	1,1,1-Trichloroethane	LT 4.30 -1	ug/l	GEQ008
				NN9	1,1,1-Trichloroethane	LT 8.80 -2	ug/l	GFS011
				N9	1,1,2-Trichloroethane	LT 3.90 -1	ug/l	GEQ008
				NN9	1,1,2-Trichloroethane	LT 2.60 -1	ug/l	GFS011
				NN9	1,1-Dichloroethene	LT 2.40 -1	ug/l	GFS011
				N9	1,1-Dichloroethane	LT 1.70 0	ug/l	GEQ008
				NN9	1,1-Dichloroethane	LT 7.40 -2	ug/l	GFS011
				N9	1,2-Dichloroethene	LT 1.70 0	ug/l	GEQ008
				NN9	1,2-Dichloroethene	LT 2.60 -1	ug/l	GFS011
				N9	1,2-Dichloroethane	LT 5.60 -1	ug/l	GEQ008
				NN9	1,2-Dichloroethane	LT 8.50 -2	ug/l	GFS011
				N9	m-Xylene	1.07 0	ug/l	GEQ008
				AA9	m-Xylene	9.49 -1	ug/l	GFT011
				B9	Arsenic	4.40 1	ug/l	GDM028
				LH15	Atrazine	1.30 1	ug/l	GFR011
				N9	Bicycloheptadiene	LT 3.60 -1	ug/l	GEQ008
				ZZ9	Bicycloheptadiene	LT 5.08 0	ug/l	IKY017
				N9	Benzene	LT 2.50 -1	ug/l	GEQ008
				AA9	Benzene	2.81 -1	ug/l	GFT011
				N9	Carbon Tetrachloride	LT 2.50 -1	ug/l	GEQ008
				NN9	Carbon Tetrachloride	LT 1.20 -1	ug/l	GFS011
				P9	Cadmium	1.93 0	ug/l	GDK028
				N9	Methylene Chloride	LT 1.50 0	ug/l	GEQ008
				NN9	Methylene Chloride	LT 3.70 0	ug/l	GFS011
				N9	Chloroform	LT 2.90 -1	ug/l	GEQ008
				NN9	Chloroform	LT 6.80 -2	ug/l	GFS011
				N9	Chlorobenzene	1.17 1	ug/l	GEQ008
				NN9	Chlorobenzene	1.07 1	ug/l	GFS011
				P9	Chromium	LT 6.50 0	ug/l	GDK028
				P9	Copper	1.29 1	ug/l	GDK028
				N9	Dibromochloropropane	LT 2.40 0	ug/l	GEQ008
				S9	Dibromochloropropane	1.70 -1	ug/l	GFB014
				N9	Dicyclopentadiene	LT 6.40 -1	ug/l	GEQ008

Note: Results for some parameters may appear in more than one analytical fraction.

Summary of Analytical Results

Surface Water Samples for Spring 89

Sampling Date	Station Number	Sample Depth (cm)	Sample Type	Method	Analytical Parameters	Results	Units	Sample Number
89118	SW36001B	0.1	STRM	ZZ9	Dicyclopentadiene	LT 5.12	0 ug/l	IKY017
				LH15	Vapona	LT 8.00	-2 ug/l	GFR011
				TT9	Diisopropylmethyl Phosphonate	LT 1.14	-1 ug/l	KSU020
				N9	Dimethyldisulfide	LT 2.00	1 ug/l	GEQ008
				TT9	Dimethylmethyl Phosphate	LT 1.33	-1 ug/l	KSU020
				N9	Ethylbenzene	1.15	0 ug/l	GEQ008
				AA9	Ethylbenzene	5.80	-1 ug/l	GFT011
				AAA9	Fluoroacetic Acid	LT 2.00	0 ug/l	KRS020
				Y9	Mercury	5.01	-1 ug/l	GDL028
				AAA9	Isopropylmethyl Phosphonic Acid	LT 2.11	0 ug/l	KRS020
				N9	Toluene	LT 2.50	-1 ug/l	GEQ008
				AA9	Toluene	5.61	-1 ug/l	GFT011
				N9	Methylisobutyl Ketone	LT 7.30	-1 ug/l	GEQ008
				ZZ9	Methylisobutyl Ketone	LT 5.24	0 ug/l	IKY017
				LH15	Malathion	LT 1.26	-1 ug/l	GFR011
				P9	Lead	1.03	2 ug/l	GDK028
				LH15	Parathion	LT 1.59	-1 ug/l	GFR011
				LH15	2-Chloro-1(2,4-Dichlorophenyl) Vinyl-diethyl Phosphates	LT 1.48	-1 ug/l	GFR011
				N9	Tetrachloroethene	6.59	-1 ug/l	GEQ008
				NN9	Tetrachloroethene	1.00	0 ug/l	GFS011
				N9	Trichloroethene	LT 5.40	-1 ug/l	GEQ008
				NN9	Trichloroethene	LT 1.40	-1 ug/l	GFS011
				N9	Ortho- & Para-Xylene	LT 4.90	0 ug/l	GEQ008
				AA9	Ortho- & Para-Xylene	2.10	0 ug/l	GFT011
				P9	Zinc	6.01	1 ug/l	GDK028
89110	SW37001	0.2	STRM	UM21	1,1,1-Trichloroethane	LT 1.00	0 ug/l	GCQ011
				UM21	1,1,2-Trichloroethane	LT 1.00	0 ug/l	GCQ011
				UM21	1,1-Dichloroethene	LT 1.00	0 ug/l	GCQ011
				UM21	1,1-Dichloroethane	LT 1.00	0 ug/l	GCQ011
				UM21	1,2-Dichloroethene	LT 5.00	0 ug/l	GCQ011
				UM21	1,2-Dichloroethane	LT 1.00	0 ug/l	GCQ011
				UM21	1,2-Dichloroethane	LT 1.00	0 ug/l	GCQ011

Note: Results for some parameters may appear in more than one analytical fraction.

Summary of Analytical Results

Surface Water Samples for Spring 89

Sampling Date	Station Number	Sample Depth (cm)	Sample Type	Method	Analytical Parameters	Results	Units	Sample Number
89110	SW37001	0.2	STRM	UM21	1,2-Dichloropropane	LT 1.00 0	ug/l	GCQ011
				UM21	1,3-Dichlorobenzene	LT 1.00 0	ug/l	GCQ011
				UM21	1,3-Dichloropropane	LT 4.80 0	ug/l	GCQ011
				UM21	m-Xylene	LT 1.00 0	ug/l	GCQ011
				AV8	m-Xylene	LT 1.32 0	ug/l	GCS015
				UM21	2-Chloroethylvinyl Ether	LT 3.50 0	ug/l	GCQ011
				UM21	Acrylonitrile	LT 8.40 0	ug/l	GCQ011
				KK8	Aldrin	LT 5.00 -2	ug/l	GCY017
				UM25	Aldrin	LT 1.30 1	ug/l	GCT007
				00	ALKALINITY	2.48 2	ug/l	GCJ015
				AX8	Arsenic (filtered)	LT 2.35 0	ug/l	GCM027
				AX8	Arsenic	LT 2.35 0	ug/l	GCM028
				UH11	Atrazine	9.59 0	ug/l	GCW015
				UM25	Atrazine	LT 5.90 0	ug/l	GCT007
				P8	Bicycloheptadiene	LT 5.90 0	ug/l	GCY015
				UM21	Bromodichloromethane	LT 1.00 0	ug/l	GCQ011
				AAA8	Benzothiazole	LT 5.00 0	ug/l	GCZ017
				UM21	Vinyl Chloride	LT 1.20 1	ug/l	GCQ011
				UM21	Chloroethane	LT 8.00 0	ug/l	GCQ011
				UM21	Benzene	LT 1.00 0	ug/l	GCQ011
				AV8	Benzene	LT 1.05 0	ug/l	GCS015
				GG8	Calcium (filtered)	9.04 4	ug/l	GEP007
				GG8	Calcium	8.79 4	ug/l	GEP008
				UM21	Trichlorofluoromethane	LT 1.00 0	ug/l	GCQ011
				UM21	Carbon Tetrachloride	LT 1.00 0	ug/l	GCQ011
				GG8	Cadmium (filtered)	LT 8.40 0	ug/l	GEP007
				GG8	Cadmium	LT 8.40 0	ug/l	GEP008
				UM21	Methylene Chloride	LT 1.00 0	ug/l	GCQ011
				UM21	Bromomethane	LT 1.40 1	ug/l	GCQ011
				UM21	Chloromethane	LT 1.20 0	ug/l	GCQ011
				UM21	Bromoform	LT 1.10 1	ug/l	GCQ011
				UM21	Chloroform	LT 1.00 0	ug/l	GCQ011
				HH8A	Chloride	1.30 5	ug/l	GCK015
				KK8	Hexachlorocyclopentadiene	LT 4.80 -2	ug/l	GCY017

Note: Results for some parameters may appear in more than one analytical fraction.

Summary of Analytical Results

Surface Water Samples for Spring 89

Sampling Date	Station Number	Sample Depth (cm)	Sample Type	Method	Analytical Parameters	Results	Units	Sample Number
891110	SW37001	0.2	STRM	UM25	Hexachlorocyclopentadiene	LT 5.40	1 ug/l	GCT007
				UM21	Chlorobenzene	LT 1.00	0 ug/l	GCQ011
				KK8	Chlordane	2.68	-1 ug/l	GCY017
				UM25	Chlordane	LT 3.70	1 ug/l	GCT007
				AAAB	p-Chlorophenylmethyl Sulfide	LT 5.69	0 ug/l	GCZ017
				UM25	p-Chlorophenylmethyl Sulfide	LT 1.00	1 ug/l	GCT007
				AAAB	p-Chlorophenylmethyl Sulfoxide	LT 1.15	1 ug/l	GCZ017
				UM25	p-Chlorophenylmethyl Sulfoxide	LT 1.50	1 ug/l	GCT007
				AAAB	p-Chlorophenylmethyl Sulfone	LT 7.46	0 ug/l	GCZ017
				UM25	p-Chlorophenylmethyl Sulfone	LT 5.30	0 ug/l	GCT007
				GG8	Chromium (filtered)	LT 2.40	1 ug/l	GEP007
				GG8	Chromium	LT 2.40	1 ug/l	GEP008
				GG8	Copper (filtered)	LT 2.60	1 ug/l	GEP007
				GG8	Copper	LT 2.60	1 ug/l	GEP008
				TF20	Cyanide	LT 5.00	0 ug/l	GCR015
				AY8	Dibromochloropropane	LT 1.95	-1 ug/l	GDA017
				UM25	Dibromochloropropane	LT 1.20	1 ug/l	GCT007
				UM21	Dibromochloromethane	LT 1.00	0 ug/l	GCQ011
				UM21	1,4-Dichlorobenzene	LT 2.00	0 ug/l	GCQ011
				P6	Dicyclopentadiene	2.11	1 ug/l	GCV015
				UM25	Dicyclopentadiene	1.39	1 ug/l	GCT007
				UH11	Vapona	LT 3.84	-1 ug/l	GCW015
				UM25	Vapona	LT 8.50	0 ug/l	GCT007
				AT8	Diisopropylmethyl Phosphonate	8.80	1 ug/l	GCX017
				UM25	Diisopropylmethyl Phosphonate	1.04	2 ug/l	GCT007
				AAAB	Dithiane	LT 1.34	0 ug/l	GCZ017
				UM25	Dithiane	LT 3.30	0 ug/l	GCT007
				KK8	Dieldrin	5.77	-2 ug/l	GCY017
				UM25	Dieldrin	LT 2.60	1 ug/l	GCT007
				AAAB	Dimethyldisulfide	LT 5.50	-1 ug/l	GCZ017
				UM21	Acetone	LT 8.00	0 ug/l	GCQ011
				AT8	Dimethylmethyl Phosphate	LT 1.88	-1 ug/l	GCX017
				UM25	Dimethylmethyl Phosphate	LT 1.30	2 ug/l	GCT007
				KK8	Endrin	6.43	-2 ug/l	GCY017

Note: Results for some parameters may appear in more than one analytical fraction.

Summary of Analytical Results

Surface Water Samples for Spring 89

Sampling Date	Station Number	Sample Depth (cm)	Sample Type	Method	Analytical Parameters	Results	Units	Sample Number
89110	SW37001	0.2	STRM	UM25	Endrin	LT 1.80 1	ug/l	GCT007
				UM21	Ethylbenzene	LT 1.00 0	ug/l	GCQ011
				AV8	Ethylbenzene	LT 1.37 0	ug/l	GCS015
				HH8A	Fluoride	2.05 3	ug/l	GCK015
				CC8	Mercury (filtered)	LT 1.00 -1	ug/l	GCN027
				CC8	Mercury	LT 1.00 -1	ug/l	GCN028
				KK8	Isodrin	LT 5.10 -2	ug/l	GCY017
				UM25	Isodrin	LT 7.80 0	ug/l	GCT007
				GG8	Potassium (filtered)	4.66 3	ug/l	GEP007
				GG8	Potassium	4.44 3	ug/l	GEP008
				UM21	Toluene	LT 1.00 0	ug/l	GCQ011
				AV8	Toluene	LT 1.47 0	ug/l	GCS015
				UM21	Methylethyl Ketone	LT 1.00 1	ug/l	GCQ011
				GG8	Magnesium (filtered)	4.17 4	ug/l	GEP007
				GG8	Magnesium	4.04 4	ug/l	GEP008
				UM21	Methylisobutyl Ketone	LT 1.40 0	ug/l	GCQ011
				P8	Methylisobutyl Ketone	LT 4.90 0	ug/l	GCY015
				UM25	Malathion	LT 2.10 1	ug/l	GCT007
				GG8	Sodium (filtered)	2.10 5	ug/l	GEP007
				GG8	Sodium	2.10 5	ug/l	GEP008
				LL8	Nitrite,Nitrate - Non specific	LT 1.00 1	ug/l	GCL015
				AAA8	1,4-Oxathiane	LT 2.38 0	ug/l	GCZ017
				UM25	1,4-Oxathiane	LT 2.70 1	ug/l	GCT007
				GG8	Lead (filtered)	LT 7.40 1	ug/l	GEP007
				GG8	Lead	LT 7.40 1	ug/l	GEP008
				KK8	Dichlorodiphenylethane	LT 5.40 -2	ug/l	GCY017
				UM25	Dichlorodiphenylethane	LT 1.40 1	ug/l	GCT007
				KK8	Dichlorodiphenyltrichloro-ethane	5.71 -2	ug/l	GCY017
				UM25	Dichlorodiphenyltrichloro-ethane	LT 1.80 1	ug/l	GCT007
				UM25	Parathion	LT 3.70 1	ug/l	GCT007
				HH8A	Sulfate	3.20 5	ug/l	GCK015
				UM25	2-Chloro-1(2,4-Dichlorophenyl) Vinyl-diethyl Phosphates	LT 1.90 1	ug/l	GCT007

Note: Results for some parameters may appear in more than one analytical fraction.

Summary of Analytical Results

Surface Water Samples for Spring 89

Sampling Date	Station Number	Sample Depth (cm)	Sample Type	Method	Analytical Parameters	Results	Units	Sample Number
89110	SW37001	0.2	STRM	UM21	1,1,2,2-Tetrachloroethane	LT 1.50 0	ug/l	GCQ011
				UM21	Tetrachloroethene	LT 1.00 0	ug/l	GCQ011
				UM21	Trichloroethene	LT 1.00 0	ug/l	GCQ011
				UM21	Ortho- & Para-Xylene	LT 2.00 0	ug/l	GCQ011
				AV6	Ortho- & Para-Xylene	LT 1.36 0	ug/l	GCS015
				GG6	Zinc (filtered)	LT 2.20 1	ug/l	GEP007
				GG6	Zinc	LT 2.20 1	ug/l	GEP008
89110	SW37001B	0.2	BORE	N9	1,1,1-Trichloroethane	LT 4.30 -1	ug/l	GDI005
				NN9	1,1,1-Trichloroethane	LT 8.80 -2	ug/l	GDJ007
				N9	1,1,2-Trichloroethane	LT 3.90 -1	ug/l	GDI005
				NN9	1,1,2-Trichloroethane	LT 2.60 -1	ug/l	GDJ007
				NN9	1,1-Dichloroethene	LT 2.40 -1	ug/l	GDJ007
				N9	1,1-Dichloroethane	LT 1.70 0	ug/l	GDI005
				NN9	1,1-Dichloroethane	LT 7.40 -2	ug/l	GDJ007
				N9	1,2-Dichloroethene	LT 1.70 0	ug/l	GDI005
				NN9	1,2-Dichloroethene	LT 2.60 -1	ug/l	GDJ007
				N9	1,2-Dichloroethane	LT 5.60 -1	ug/l	GDI005
				NN9	1,2-Dichloroethane	LT 8.50 -2	ug/l	GDJ007
				N9	m-Xylene	LT 7.40 -1	ug/l	GDI005
				AA9	m-Xylene	LT 2.60 -1	ug/l	GDH007
				B9	Arsenic	LT 2.50 0	ug/l	GDM009
				LH15	Atrazine	3.42 0	ug/l	GDF008
				N9	Bicycloheptadiene	LT 3.60 -1	ug/l	GDI005
				ZZ9	Bicycloheptadiene	LT 5.08 0	ug/l	IKX007
				HH9	Benzothiazole	LT 2.04 0	ug/l	GDC009
				N9	Benzene	LT 2.50 -1	ug/l	GDI005
				AA9	Benzene	LT 8.50 -2	ug/l	GDH007
				N9	Carbon Tetrachloride	LT 2.50 -1	ug/l	GDI005
				NN9	Carbon Tetrachloride	LT 1.20 -1	ug/l	GDJ007
				P9	Cadmium	LT 7.40 -1	ug/l	GDK009
				N9	Methylene Chloride	LT 1.50 0	ug/l	GDI005
				NN9	Methylene Chloride	LT 3.70 0	ug/l	GDJ007
				N9	Chloroform	LT 2.90 -1	ug/l	GDI005

Note: Results for some parameters may appear in more than one analytical fraction.

Summary of Analytical Results

Surface Water Samples for Spring 89

Sampling Date	Station Number	Sample Depth (cm)	Sample Type	Method	Analytical Parameters	Results	Units	Sample Number
891110	SW37001B	0.2	STRM	NN9	Chloroform	LT 6.80 -2	ug/l	GDJ007
				N9	Chlorobenzene	LT 1.50 0	ug/l	GDI005
				NN9	Chlorobenzene	LT 2.00 -1	ug/l	GDJ007
				HH9	p-Chlorophenylmethyl Sulfide	LT 4.40 0	ug/l	GDC009
				HH9	p-Chlorophenylmethyl Sulfoxide	LT 4.81 0	ug/l	GDC009
				HH9	p-Chlorophenylmethyl Sulfone	LT 9.01 0	ug/l	GDC009
				P9	Chromium	LT 6.50 0	ug/l	GDK009
				P9	Copper	9.11 0	ug/l	GDK009
				S9	Dibromochloropropane	LT 5.00 -3	ug/l	GDB009
				N9	Dibromochloropropane	LT 2.40 0	ug/l	GDI005
				N9	Dicyclopentadiene	LT 6.40 -1	ug/l	GDI005
				ZZ9	Dicyclopentadiene	LT 5.12 0	ug/l	IKX007
				LH15	Vapona	LT 8.00 -2	ug/l	GDF008
				TT9	Diisopropylmethyl Phosphonate	LT 1.14 -1	ug/l	KST006
				HH9	Dithiane	LT 1.45 0	ug/l	GDC009
				N9	Dimethyldisulfide	LT 2.00 1	ug/l	GDI005
				HH9	Dimethyldisulfide	LT 3.12 0	ug/l	GDC009
				TT9	Dimethylmethyl Phosphate	LT 1.33 -1	ug/l	KST006
				N9	Ethylbenzene	LT 3.80 -1	ug/l	GDI005
				AA9	Ethylbenzene	LT 1.60 -1	ug/l	GDH007
				AAA9	Fluoroacetic Acid	LT 2.00 0	ug/l	KRR009
				Y9	Mercury	LT 5.00 -2	ug/l	GDL009
				AAA9	Isopropylmethyl Phosphonic Acid	LT 2.11 0	ug/l	KRR009
				N9	Toluene	LT 2.50 -1	ug/l	GDI005
				AA9	Toluene	LT 1.90 -1	ug/l	GDH007
				N9	Methylisobutyl Ketone	LT 7.30 -1	ug/l	GDI005
				ZZ9	Methylisobutyl Ketone	LT 5.24 0	ug/l	IKX007
				LH15	Malathion	LT 1.26 -1	ug/l	GDF008
				HH9	1,4-Oxathiane	LT 1.74 0	ug/l	GDC009
				P9	Lead	LT 8.40 0	ug/l	GDK009
				LH15	Parathion	LT 1.59 -1	ug/l	GDF008
				LH15	2-Chloro-1(2,4-Dichlorophenyl) Vinyl-diethyl Phosphates	LT 1.48 -1	ug/l	GDF008

Note: Results for some parameters may appear in more than one analytical fraction.

R. L. Stollar and Associates

Comprehensive Monitoring Program

01/10/90

Summary of Analytical Results

Surface Water Samples for Spring 89

Sampling Date	Station Number	Sample Depth (cm)	Sample Type	Method	Analytical Parameters	Results	Units	Sample Number
89110	SW37001B	0.2	BORE	N9	Tetrachloroethene	LT 2.50 -1	ug/l	GDI005
				NN9	Tetrachloroethene	LT 2.70 -1	ug/l	GDI007
				N9	Trichloroethene	LT 5.40 -1	ug/l	GDI005
				NN9	Trichloroethene	LT 1.40 -1	ug/l	GDI007
				N9	Ortho- & Para-Xylene	LT 4.90 0	ug/l	GDI005
				AA9	Ortho- & Para-Xylene	LT 3.90 -1	ug/l	GDI007
				P9	Zinc	4.12 1	ug/l	GDI009

Note: Results for some parameters may appear in more than one analytical fraction.

Summary of Analytical Results

Surface Water Sediment Samples - Spring 89

Sampling Date	Station Number	Sample Depth (cm)	Sample Type	Method	Analytical Parameters	Results	Units	Sample Number
89117	SW02006B	.20	DTCH	LH15	Atrazine	6.23 0	ug/g	GFR010
				LH15	Vapona	LT 8.00 -2	ug/g	GFR010
				LH15	Malathion	LT 1.26 -1	ug/g	GFR010
				LH15	Parathion	LT 1.59 -1	ug/g	GFR010
				LH15	2-Chloro-1(2,4-Dichlorophenyl) Vinyl-diethyl Phosphates	LT 1.46 -1	ug/g	GFR010
89117	SW02006B	0.2	DTCH	NN9	1,1,1-Trichloroethane	LT 8.80 -2	ug/g	GFS010
				NN9	1,1,2-Trichloroethane	LT 2.60 -1	ug/g	GFS010
				NN9	1,1-Dichloroethene	LT 2.40 -1	ug/g	GFS010
				NN9	1,1-Dichloroethane	LT 7.40 -2	ug/g	GFS010
				NN9	1,2-Dichloroethene	LT 2.60 -1	ug/g	GFS010
				NN9	1,2-Dichloroethane	LT 8.50 -2	ug/g	GFS010
				AA9	m-Xylene	LT 2.60 -1	ug/g	GFT010
				B9	Arsenic	LT 2.50 0	ug/g	GDM026
				ZZ9	Bicycloheptadiene	LT 5.08 0	ug/g	IKY016
				AA9	Benzene	LT 8.50 -2	ug/g	GFT010
				NN9	Carbon Tetrachloride	LT 1.20 -1	ug/g	GFS010
				NN9	Methylene Chloride	LT 3.70 0	ug/g	GFS010
				NN9	Chloroform	LT 6.80 -2	ug/g	GFS010
				NN9	Chlorobenzene	LT 2.00 -1	ug/g	GFS010
				S9	Dibromochloropropane	2.01 -2	ug/g	GFB012
				ZZ9	Dicyclopentadiene	LT 5.12 0	ug/g	IKY016
				TT9	Diisopropylmethyl Phosphonate	LT 1.14 -1	ug/g	KSU018
				TT9	Dimethylmethyl Phosphate	LT 1.33 -1	ug/g	KSU018
				AA9	Ethylbenzene	LT 1.60 -1	ug/g	GFT010
				AAA9	Fluoroacetic Acid	LT 2.00 0	ug/g	KRS018
				Y9	Mercury	8.00 0	ug/g	GDL026
				AAA9	Isopropylmethyl Phosphonic Acid	LT 2.11 0	ug/g	KRS018
				AA9	Toluene	LT 1.90 -1	ug/g	GFT010
				ZZ9	Methylisobutyl Ketone	LT 5.24 0	ug/g	IKY016
				NN9	Tetrachloroethene	LT 2.70 -1	ug/g	GFS010
				NN9	Trichloroethene	LT 1.40 -1	ug/g	GFS010

Note: Results for some parameters may appear in more than one analytical fraction.

Summary of Analytical Results

Surface Water Sediment Samples - Spring 89

Sampling Date	Station Number	Sample Depth (cm)	Sample Type	Method	Analytical Parameters	Results	Units	Sample Number
89117	SW02006B	0.2	DTCH	AA9	Ortho- & Para-Xylene	LT 3.90 -1	ug/g	GFT010
89117	SW02006B	2.0	DTCH	P9	Cadmium	LT 7.40 -1	ug/g	GDK027
				P9	Chromium	1.37 1	ug/g	GDK027
				P9	Copper	7.86 1	ug/g	GDK027
				P9	Lead	7.47 1	ug/g	GDK027
				P9	Zinc	1.59 2	ug/g	GDK027
89115	SW08003B	0.2	STRM	N9	1,1,1-Trichloroethane	LT 4.30 -1	ug/g	GEQ006
				NN9	1,1,1-Trichloroethane	LT 8.80 -2	ug/g	GDY010
				N9	1,1,2-Trichloroethane	LT 3.90 -1	ug/g	GEQ006
				NN9	1,1,2-Trichloroethane	LT 2.60 -1	ug/g	GDY010
				NN9	1,1-Dichloroethene	LT 2.40 -1	ug/g	GDY010
				N9	1,1-Dichloroethane	LT 1.70 0	ug/g	GEQ006
				NN9	1,1-Dichloroethane	LT 7.40 -2	ug/g	GDY010
				N9	1,2-Dichloroethene	LT 1.70 0	ug/g	GEQ006
				NN9	1,2-Dichloroethene	LT 2.60 -1	ug/g	GDY010
				N9	1,2-Dichloroethane	LT 5.60 -1	ug/g	GEQ006
				NN9	1,2-Dichloroethane	LT 8.50 -2	ug/g	GDY010
				N9	m-Xylene	LT 7.40 -1	ug/g	GEQ006
				KK9A	Aldrin	LT 1.90 -3	ug/g	GEB010
				B9	Arsenic	LT 2.50 0	ug/g	GDM015
				N9	Bicycloheptadiene	LT 3.60 -1	ug/g	GEQ006
				HH9	Benzothiazole	LT 2.04 0	ug/g	GEC009
				N9	Benzene	LT 2.50 -1	ug/g	GEQ006
				N9	Carbon Tetrachloride	LT 2.50 -1	ug/g	GEQ006
				NN9	Carbon Tetrachloride	LT 1.20 -1	ug/g	GDY010
				N9	Methylene Chloride	8.70 0	ug/g	GEQ006
				NN9	Methylene Chloride	LT 3.70 0	ug/g	GDY010
				N9	Chloroform	LT 2.90 -1	ug/g	GEQ006
				NN9	Chloroform	LT 6.80 -2	ug/g	GDY010
				KK9A	Hexachlorocyclopentadiene	LT 1.80 -3	ug/g	GEB010
				N9	Chlorobenzene	LT 1.50 0	ug/g	GEQ006
				NN9	Chlorobenzene	LT 2.00 -1	ug/g	GDY010

Note: Results for some parameters may appear in more than one analytical fraction.

Summary of Analytical Results

Surface Water Sediment Samples - Spring 89

Sampling Date	Station Number	Sample Depth (cm)	Sample Type	Method	Analytical Parameters	Results	Units	Sample Number
89115	SW08003B	0.2	STRM	KK9A	Chlordane	LT 2.30 -2	ug/g	GE010
					HH9 p-Chlorophenylmethyl Sulfide	LT 4.40 0	ug/g	GEC009
					HH9 p-Chlorophenylmethyl Sulfoxide	LT 4.81 0	ug/g	GEC009
					HH9 p-Chlorophenylmethyl Sulfone	LT 9.01 0	ug/g	GEC009
					N9 Dibromochloropropane	LT 2.40 0	ug/g	GEQ006
					N9 Dicyclopentadiene	LT 6.40 -1	ug/g	GEQ006
					HH9 Dithiane	LT 1.45 0	ug/g	GEC009
					KK9A Dieldrin	LT 3.30 -3	ug/g	GE010
					N9 Dimethyldisulfide	LT 2.00 1	ug/g	GEQ006
					HH9 Dimethyldisulfide	LT 3.12 0	ug/g	GEC009
					KK9A Endrin	LT 5.80 -3	ug/g	GE010
					N9 Ethylbenzene	LT 3.80 -1	ug/g	GEQ006
					Y9 Mercury	LT 5.00 -2	ug/g	GDL015
					KK9A Isodrin	LT 1.10 -3	ug/g	GE010
					N9 Toluene	LT 2.50 -1	ug/g	GEQ006
					N9 Methylisobutyl Ketone	LT 7.30 -1	ug/g	GEQ006
					HH9 1,4-Oxathiane	LT 1.74 0	ug/g	GEC009
					KK9A Dichlorodiphenylethane	LT 2.40 -3	ug/g	GE010
					KK9A Dichlorodiphenyltrichloroethane	LT 2.00 -3	ug/g	GE010
					N9 Tetrachloroethene	LT 2.50 -1	ug/g	GEQ006
					NN9 Tetrachloroethene	LT 2.70 -1	ug/g	GDY010
					N9 Trichloroethene	LT 5.40 -1	ug/g	GEQ006
					NN9 Trichloroethene	LT 1.40 -1	ug/g	GDY010
					N9 Ortho- & Para-Xylene	LT 4.90 0	ug/g	GEQ006
89116	SW11001B	0.1	SURF	NN9	1,1,1-Trichloroethane	3.36 -1	ug/g	GFS005
				NN9	1,1,2-Trichloroethane	LT 2.60 -1	ug/g	GFS005
				NN9	1,1-Dichloroethene	LT 2.40 -1	ug/g	GFS005
				NN9	1,1-Dichloroethane	LT 7.40 -2	ug/g	GFS005
				NN9	1,2-Dichloroethene	LT 2.60 -1	ug/g	GFS005
				NN9	1,2-Dichloroethane	LT 8.50 -2	ug/g	GFS005
				AA9	m-Xylene	LT 2.60 -1	ug/g	GFT005
				B9	Arsenic	LT 2.50 0	ug/g	GDM019
				LH15	Atrazine	4.58 0	ug/g	GFR005

Note: Results for some parameters may appear in more than one analytical fraction.

Summary of Analytical Results

Surface Water Sediment Samples - Spring 89

Sampling Date	Station Number	Sample Depth (cm)	Sample Type	Method	Analytical Parameters	Results	Units	Sample Number
89116	SW11001B	0.1	STSW	ZZ9	Bicycloheptadiene	LT 5.08 0	ug/g	IKY011
				HH9	Benzothiazole	LT 2.04 0	ug/g	GFA007
				AA9	Benzene	LT 8.50 -2	ug/g	GFT005
				NN9	Carbon Tetrachloride	LT 1.20 -1	ug/g	GFS005
				P9	Cadmium	LT 7.40 -1	ug/g	GDK019
				NN9	Methylene Chloride	LT 3.70 0	ug/g	GFS005
				NN9	Chloroform	LT 6.80 -2	ug/g	GFS005
				NN9	Chlorobenzene	LT 2.00 -1	ug/g	GFS005
				HH9	p-Chlorophenylmethyl Sulfide	LT 4.40 0	ug/g	GFA007
				HH9	p-Chlorophenylmethyl Sulfone	LT 9.01 0	ug/g	GFA007
				P9	Chromium	9.99 0	ug/g	GDK019
				P9	Copper	1.45 1	ug/g	GDK019
				S9	Dibromochloropropane	2.29 -2	ug/g	GFB007
				ZZ9	Dicyclopentadiene	LT 5.12 0	ug/g	IKY011
				LH15	Vapona	LT 8.00 -2	ug/g	GFR005
				TT9	Diisopropylmethyl Phosphonate	LT 1.14 -1	ug/g	KSU013
				HH9	Dithiane	LT 1.45 0	ug/g	GFA007
				HH9	Dimethyldisulfide	LT 3.12 0	ug/g	GFA007
				TT9	Dimethylmethyl Phosphate	LT 1.33 -1	ug/g	KSU013
				AA9	Ethylbenzene	LT 1.60 -1	ug/g	GFT005
				AAA9	Fluoroacetic Acid	LT 2.00 0	ug/g	KRS013
				Y9	Mercury	LT 5.00 -2	ug/g	GDL021
				AAA9	Isopropylmethyl Phosphonic Acid	LT 2.11 0	ug/g	KRS013
				ZZ9	Methylisobutyl Ketone	LT 5.24 0	ug/g	IKY011
				LH15	Malathion	LT 1.26 -1	ug/g	GFR005
				HH9	1,4-Oxathiane	LT 1.74 0	ug/g	GFA007
				P9	Lead	2.74 1	ug/g	GDK019
				LH15	Parathion	LT 1.59 -1	ug/g	GFR005
				LH15	2-Chloro-1(2,4-Dichlorophenyl) Vinyl-diethyl Phosphates	LT 1.48 -1	ug/g	GFR005
				NN9	Tetrachloroethene	LT 2.70 -1	ug/g	GFS005
				NN9	Trichloroethene	LT 1.40 -1	ug/g	GFS005
				AA9	Ortho- & Para-Xylene	LT 3.90 -1	ug/g	GFT005

Note: Results for some parameters may appear in more than one analytical fraction.

Summary of Analytical Results

Surface Water Sediment Samples - Spring 89

Sampling Date	Station Number	Sample Depth (cm)	Sample Type	Method	Analytical Parameters	Results	Units	Sample Number
89116	SW11001B	0.1	SURF	P9	Zinc	1.02 2	ug/g	GDK019
89107	SW12005B	0.2	BORE	N9	1,1,1-Trichloroethane	LT 4.30 -1	ug/g	GDI002
				NN9	1,1,1-Trichloroethane	LT 8.80 -2	ug/g	GDI005
				N9	1,1,2-Trichloroethane	LT 3.90 -1	ug/g	GDI002
				NN9	1,1,2-Trichloroethane	LT 2.60 -1	ug/g	GDI005
				NN9	1,1-Dichloroethene	LT 2.40 -1	ug/g	GDI005
				N9	1,1-Dichloroethane	LT 1.70 0	ug/g	GDI002
				NN9	1,1-Dichloroethane	LT 7.40 -2	ug/g	GDI005
				N9	1,2-Dichloroethene	LT 1.70 0	ug/g	GDI002
				NN9	1,2-Dichloroethene	LT 2.60 -1	ug/g	GDI005
				N9	1,2-Dichloroethane	LT 5.60 -1	ug/g	GDI002
				NN9	1,2-Dichloroethane	LT 8.50 -2	ug/g	GDI005
				N9	m-Xylene	LT 7.40 -1	ug/g	GDI002
				AA9	m-Xylene	LT 2.60 -1	ug/g	GDI005
				L9	Aldrin	LT 3.00 -1	ug/g	GDI002
				B9	Arsenic	LT 2.50 0	ug/g	GDI005
				LH15	Atrazine	3.00 0	ug/g	GDI005
				L9	Atrazine	LT 3.00 -1	ug/g	GDI002
				PP9	Bicycloheptadiene	LT 1.10 0	ug/g	GDI005
				N9	Bicycloheptadiene	LT 3.60 -1	ug/g	GDI002
				HH9	Benzothiazole	LT 2.04 0	ug/g	GDI005
				N9	Benzene	LT 2.50 -1	ug/g	GDI002
				AA9	Benzene	LT 8.50 -2	ug/g	GDI005
				N9	Carbon Tetrachloride	LT 2.50 -1	ug/g	GDI002
				NN9	Carbon Tetrachloride	LT 1.20 -1	ug/g	GDI005
				P9	Cadmium	LT 7.40 -1	ug/g	GDI005
				N9	Methylene Chloride	LT 1.50 0	ug/g	GDI002
				NN9	Methylene Chloride	LT 3.70 0	ug/g	GDI005
				N9	Chloroform	LT 2.90 -1	ug/g	GDI002
				NN9	Chloroform	LT 6.80 -2	ug/g	GDI005
				L9	Hexachlorocyclopentadiene	LT 6.00 -1	ug/g	GDI002
				N9	Chlorobenzene	LT 1.50 0	ug/g	GDI002
				NN9	Chlorobenzene	LT 2.00 -1	ug/g	GDI005

Note: Results for some parameters may appear in more than one analytical fraction.

Summary of Analytical Results

Surface Water Sediment Samples - Spring 89

Sampling Date	Station Number	Sample Depth (cm)	Sample Type	Method	Analytical Parameters	Results	Units	Sample Number
89107	SW12005B	0.2	STRM	L9	Chlordane	LT 2.00 0	ug/g	GDG002
				L9	p-Chlorophenylmethyl Sulfide	LT 9.00 -1	ug/g	GDG002
				HH9	p-Chlorophenylmethyl Sulfide	LT 4.40 0	ug/g	GDC005
				L9	p-Chlorophenylmethyl Sulfoxide	LT 3.00 -1	ug/g	GDG002
				HH9	p-Chlorophenylmethyl Sulfoxide	GT 2.00 1	ug/g	GDC005
				L9	p-Chlorophenylmethyl Sulfone	LT 3.00 -1	ug/g	GDG002
				HH9	p-Chlorophenylmethyl Sulfone	LT 9.01 0	ug/g	GDC005
				P9	Chromium	LT 6.50 0	ug/g	GDK005
				P9	Copper	LT 4.70 0	ug/g	GDK005
				S9	Dibromochloropropane	LT 5.00 -3	ug/g	GDB005
				N9	Dibromochloropropane	LT 2.40 0	ug/g	GDI002
				L9	Dibromochloropropane	LT 3.00 -1	ug/g	GDG002
				PP9	Dicyclopentadiene	LT 4.50 -1	ug/g	GDE005
				N9	Dicyclopentadiene	LT 6.40 -1	ug/g	GDI002
				L9	Dicyclopentadiene	LT 1.00 0	ug/g	GDG002
				LH15	Vapona	LT 8.00 -2	ug/g	GDF005
				L9	Vapona	LT 3.00 0	ug/g	GDG002
				L9	Diisopropylmethyl Phosphonate	LT 1.00 0	ug/g	GDG002
				TT9	Diisopropylmethyl Phosphonate	LT 2.28 -1	ug/g	KSS006
				L9	Dithiane	LT 4.00 -1	ug/g	GDG002
				HH9	Dithiane	LT 1.45 0	ug/g	GDC005
				L9	Dieldrin	LT 3.00 -1	ug/g	GDG002
				N9	Dimethyldisulfide	LT 2.00 1	ug/g	GDI002
				HH9	Dimethyldisulfide	LT 3.12 0	ug/g	GDC005
				TT9	Dimethylmethyl Phosphate	LT 2.66 -1	ug/g	KSS006
				L9	Endrin	LT 5.00 -1	ug/g	GDG002
				N9	Ethylbenzene	LT 3.80 -1	ug/g	GDI002
				AA9	Ethylbenzene	LT 1.60 -1	ug/g	GDK005
				Y9	Mercury	LT 5.00 -2	ug/g	GDL005
				L9	Isodrin	LT 3.00 -1	ug/g	GDG002
				N9	Toluene	LT 2.50 -1	ug/g	GDI002
				AA9	Toluene	LT 1.90 -1	ug/g	GDK005
				PP9	Methylisobutyl Ketone	LT 6.40 -1	ug/g	GDE005
				N9	Methylisobutyl Ketone	LT 7.30 -1	ug/g	GDI002

Note: Results for some parameters may appear in more than one analytical fraction.

Summary of Analytical Results

Surface Water Sediment Samples - Spring 89

Sampling Date	Station Number	Sample Depth (cm)	Sample Type	Method	Analytical Parameters	Results	Units	Sample Number
69107	SW12005B	0.2	STRM	LH15	Malathion	LT 1.26 -1	ug/g	GDF005
				L9	Malathion	LT 7.00 -1	ug/g	GDG002
				L9	1,4-Oxathiane	LT 3.00 -1	ug/g	GDG002
				HH9	1,4-Oxathiane	LT 1.74 0	ug/g	GDC005
				P9	Lead	LT 6.40 0	ug/g	GDK005
				L9	Dichlorodiphenylethane	LT 6.00 -1	ug/g	GDG002
				L9	Dichlorodiphenyltrichloroethane	LT 5.00 -1	ug/g	GDG002
				LH15	Parathion	LT 1.59 -1	ug/g	GDF005
				L9	Parathion	LT 9.00 -1	ug/g	GDG002
				LH15	2-Chloro-1(2,4-Dichlorophenyl) Vinyl-diethyl Phosphates	LT 1.46 -1	ug/g	GDF005
				L9	2-Chloro-1(2,4-Dichlorophenyl) Vinyl-diethyl Phosphates	LT 6.00 -1	ug/g	GDG002
				N9	Tetrachloroethene	LT 2.50 -1	ug/g	GDI002
				NN9	Tetrachloroethene	LT 2.70 -1	ug/g	GDJ005
				N9	Trichloroethene	LT 5.40 -1	ug/g	GDI002
				NN9	Trichloroethene	LT 1.40 -1	ug/g	GDJ005
				N9	Ortho- & Para-Xylene	LT 4.90 0	ug/g	GDI002
				AA9	Ortho- & Para-Xylene	LT 3.90 -1	ug/g	GDH005
				P9	Zinc	5.61 1	ug/g	GDK005
69116	SW36001B	0.1	STRM	N9	1,1,1-Trichloroethane	LT 4.30 -1	ug/g	GEQ008
				NN9	1,1,1-Trichloroethane	LT 8.80 -2	ug/g	GFS011
				N9	1,1,2-Trichloroethane	LT 3.90 -1	ug/g	GEQ008
				NN9	1,1,2-Trichloroethane	LT 2.60 -1	ug/g	GFS011
				NN9	1,1-Dichloroethene	LT 2.40 -1	ug/g	GFS011
				N9	1,1-Dichloroethane	LT 1.70 0	ug/g	GEQ008
				NN9	1,1-Dichloroethane	LT 7.40 -2	ug/g	GFS011
				N9	1,2-Dichloroethene	LT 1.70 0	ug/g	GEQ008
				NN9	1,2-Dichloroethene	LT 2.60 -1	ug/g	GFS011
				N9	1,2-Dichloroethane	LT 5.60 -1	ug/g	GEQ008
				NN9	1,2-Dichloroethane	LT 6.50 -2	ug/g	GFS011
				N9	m-Xylene	1.07 0	ug/g	GEQ008
				B9	Arsenic	4.40 1	ug/g	GDM028

Note: Results for some parameters may appear in more than one analytical fraction.

Summary of Analytical Results

Surface Water Sediment Samples - Spring 89

Sampling Date	Station Number	Sample Depth (cm)	Sample Type	Method	Analytical Parameters	Results	Units	Sample Number
89118	SW36001B	0.1	STRM	LH15	Atrazine	1.30 1	ug/g	GFR011
				N9	Bicycloheptadiene	LT 3.60 -1	ug/g	GEQ008
				ZZ9	Bicycloheptadiene	LT 5.08 0	ug/g	IKY017
				N9	Benzene	LT 2.50 -1	ug/g	GEQ008
				N9	Carbon Tetrachloride	LT 2.50 -1	ug/g	GEQ008
				NN9	Carbon Tetrachloride	LT 1.20 -1	ug/g	GFS011
				P9	Cadmium	1.93 0	ug/g	GDK028
				N9	Methylene Chloride	LT 1.50 0	ug/g	GEQ008
				NN9	Methylene Chloride	LT 3.70 0	ug/g	GFS011
				N9	Chloroform	LT 2.90 -1	ug/g	GEQ008
				NN9	Chloroform	LT 6.80 -2	ug/g	GFS011
				N9	Chlorobenzene	1.17 1	ug/g	GEQ008
				NN9	Chlorobenzene	1.07 1	ug/g	GFS011
				P9	Chromium	LT 6.50 0	ug/g	GDK028
				P9	Copper	1.29 1	ug/g	GDK028
				N9	Dibromochloropropane	LT 2.40 0	ug/g	GEQ008
				S9	Dibromochloropropane	1.70 -1	ug/g	GFB014
				N9	Dicyclopentadiene	LT 6.40 -1	ug/g	GEQ008
				ZZ9	Dicyclopentadiene	LT 5.12 0	ug/g	IKY017
				LH15	Vapona	LT 8.00 -2	ug/g	GFR011
				TT9	Diisopropylmethyl Phosphonate	LT 1.14 -1	ug/g	KSU020
				N9	Dimethyldisulfide	LT 2.00 1	ug/g	GEQ008
				TT9	Dimethylmethyl Phosphate	LT 1.33 -1	ug/g	KSU020
				N9	Ethylbenzene	1.15 0	ug/g	GEQ008
				AAA9	Fluoroacetic Acid	LT 2.00 0	ug/g	KRS020
				Y9	Mercury	5.01 -1	ug/g	GDL028
				AAA9	Isopropylmethyl Phosphonic Acid	LT 2.11 0	ug/g	KRS020
				N9	Toluene	LT 2.50 -1	ug/g	GEQ008
				N9	Methylisobutyl Ketone	LT 7.30 -1	ug/g	GEQ008
				ZZ9	Methylisobutyl Ketone	LT 5.24 0	ug/g	IKY017
				LH15	Malathion	LT 1.26 -1	ug/g	GFR011
				P9	Lead	1.03 2	ug/g	GDK028
				LH15	Parathion	LT 1.59 -1	ug/g	GFR011

Note: Results for some parameters may appear in more than one analytical fraction.

Summary of Analytical Results

Surface Water Sediment Samples - Spring 89

Sampling Date	Station Number	Sample Depth (cm)	Sampler Type	Method	Analytical Parameters	Results	Units	Sample Number
69118	SW36001B	0.1	STRM	LH15	2-Chloro-1(2,4-Dichlorophenyl) Vinyl-diethyl Phosphates	LT 1.48 -1	ug/g	GFR011
				N9	Tetrachloroethene	8.59 -1	ug/g	GEQ008
				NN9	Tetrachloroethene	1.00 0	ug/g	GFS011
				N9	Trichloroethene	LT 5.40 -1	ug/g	GEQ008
				NN9	Trichloroethene	LT 1.40 -1	ug/g	GFS011
				N9	Ortho- & Para-Xylene	LT 4.90 0	ug/g	GEQ008
				P9	Zinc	6.01 1	ug/g	GDK028

APPENDIX B-3

High Event 1989 Water Quality Data

Summary of Analytical Results

Surface Water Storm Samples for 89

Sampling Date	Station Number	Sample Depth (cm)	Sample Type	Method	Analytical Parameters	Results	Units	Sample Number
89135	SW04001ST	0.2	DTCH	N8	1,1,1-Trichloroethane	LT 7.60 -1	ug/l	GKN010
					1,1,1-Trichloroethane	LT 7.60 -1	ug/l	GKN010
					1,1,2-Trichloroethane	LT 7.80 -1	ug/l	GKN010
					1,1-Dichloroethene	LT 1.70 0	ug/l	GKN010
					1,1-Dichloroethane	LT 7.30 -1	ug/l	GKN010
					N8 1,2-Dichloroethene	LT 7.60 -1	ug/l	GKN010
					N8 1,2-Dichloroethane	LT 1.10 0	ug/l	GKN010
					AV8 m-Xylene	LT 1.32 0	ug/l	GK0010
					KK8 Aldrin	LT 5.00 -2	ug/l	GKK007
					UM25 Aldrin	LT 1.30 1	ug/l	GKW004
					00 ALKALINITY	2.29 1	ug/l	GMK008
					AX8 Arsenic (filtered)	LT 2.35 0	ug/l	GKS016
					UH11 Atrazine	LT 4.03 0	ug/l	GKM007
					UM25 Atrazine	LT 5.90 0	ug/l	GKW004
					P8 Bicycloheptadiene	LT 5.90 0	ug/l	GKQ012
					AAA8 Benzothiazole	LT 5.00 0	ug/l	GKJ007
					AV8 Benzene	LT 1.05 0	ug/l	GK0010
					GG8 Calcium (filtered)	6.21 3	ug/l	GKR013
					N8 Carbon Tetrachloride	LT 9.90 -1	ug/l	GKN010
					GG8 Cadmium (filtered)	LT 8.40 0	ug/l	GKR013
					N8 Methylene Chloride	LT 7.40 0	ug/l	GKN010
					N8 Chloroform	LT 5.00 -1	ug/l	GKN010
					HH8A Chloride	1.26 3	ug/l	GKP015
					KK8 Hexachlorocyclopentadiene	LT 4.80 -2	ug/l	GKK007
					UM25 Hexachlorocyclopentadiene	LT 5.40 1	ug/l	GKW004
					N8 Chlorobenzene	LT 8.20 -1	ug/l	GKN010
					KK8 Chlordane	LT 9.50 -2	ug/l	GKK007
					UM25 Chlordane	LT 3.70 1	ug/l	GKW004
					AAA8 p-Chlorophenylmethyl Sulfide	LT 5.69 0	ug/l	GKJ007
					UM25 p-Chlorophenylmethyl Sulfide	LT 1.00 1	ug/l	GKW004
					AAA8 p-Chlorophenylmethyl Sulfoxide	LT 1.15 1	ug/l	GKJ007
					UM25 p-Chlorophenylmethyl Sulfoxide	LT 1.50 1	ug/l	GKW004
					AAA8 p-Chlorophenylmethyl Sulfone	LT 7.46 0	ug/l	GKJ007
					UM25 p-Chlorophenylmethyl Sulfone	LT 5.30 0	ug/l	GKW004

Summary of Analytical Results

Surface Water Storm Samples for 89

Sampling Date	Station Number	Sample Depth (cm)	Sample Type	Method	Analytical Parameters	Results	Units	Sample Number
89135	SW04001ST	0.2	DTCH	GG8	Chromium (filtered)	LT 2.40	1 ug/l	GKR013
				GG8	Copper (filtered)	LT 2.60	1 ug/l	GKR013
				TF20	Cyanide	LT 5.00	0 ug/l	GKT010
				AY8	Dibromochloropropane	LT 1.95	-1 ug/l	GKL007
				UM25	Dibromochloropropane	LT 1.20	1 ug/l	GKW004
				P8	Dicyclopentadiene	LT 5.00	0 ug/l	GKQ012
				UM25	Dicyclopentadiene	LT 5.50	0 ug/l	GKW004
				UH11	Vapona	LT 3.84	-1 ug/l	GKM007
				UM25	Vapona	LT 8.50	0 ug/l	GKW004
				AT8	Diisopropylmethyl Phosphonate	LT 3.92	-1 ug/l	GKI005
				UM25	Diisopropylmethyl Phosphonate	LT 2.10	1 ug/l	GKW004
				AAA8	Dithiane	LT 1.34	0 ug/l	GKJ007
				UM25	Dithiane	LT 3.30	0 ug/l	GKW004
				KK8	Dieldrin	5.51	-2 ug/l	GKK007
				UM25	Dieldrin	LT 2.60	1 ug/l	GKW004
				AAA8	Dimethyldisulfide	LT 5.50	-1 ug/l	GKJ007
				AT8	Dimethylmethyl Phosphate	LT 1.88	-1 ug/l	GKI005
				UM25	Dimethylmethyl Phosphate	LT 1.30	2 ug/l	GKW004
				KK8	Endrin	LT 5.00	-2 ug/l	GKK007
				UM25	Endrin	LT 1.80	1 ug/l	GKW004
				AV8	Ethylbenzene	LT 1.37	0 ug/l	GK0010
				HH8A	Fluoride	8.07	2 ug/l	GKP015
				CC8	Mercury (filtered)	LT 1.00	-1 ug/l	GML006
				KK8	Isodrin	LT 5.10	-2 ug/l	GKK007
				UM25	Isodrin	LT 7.80	0 ug/l	GKW004
				GG8	Potassium (filtered)	2.93	3 ug/l	GKR013
				AV8	Toluene	LT 1.47	0 ug/l	GK0010
				GG8	Magnesium (filtered)	8.65	2 ug/l	GKR013
				P8	Methylisobutyl Ketone	LT 4.90	0 ug/l	GKQ012
				UH11	Malathion	LT 3.73	-1 ug/l	GKM007
				UM25	Malathion	LT 2.10	1 ug/l	GKW004
				GG8	Sodium (filtered)	1.23	3 ug/l	GKR013
				LL8	Nitrite,Nitrate - Non specific	6.60	2 ug/l	GKV018
				AAA8	1,4-Oxathiane	LT 2.38	0 ug/l	GKJ007

Summary of Analytical Results

Surface Water Storm Samples for 89

Sampling Date	Station Number	Sample Depth (cm)	Sample Type	Method	Analytical Parameters	Results	Units	Sample Number
89135	SW04001ST	0.2	DTCH	UM25	1,4-Oxathiane	LT 2.70	1 ug/l	GKW004
				GG8	Lead (filtered)	LT 7.40	1 ug/l	GKR013
				KK8	Dichlorodiphenylethane	LT 5.40	-2 ug/l	GKK007
				UM25	Dichlorodiphenylethane	LT 1.40	1 ug/l	GKW004
				KK8	Dichlorodiphenyltrichloroethane	LT 4.90	-2 ug/l	GKK007
				UM25	Dichlorodiphenyltrichloroethane	LT 1.80	1 ug/l	GKW004
				UH11	Parathion	LT 6.47	-1 ug/l	GKM007
				UM25	Parathion	LT 3.70	1 ug/l	GKW004
				HH8A	Sulfate	3.46	3 ug/l	GKP015
				UH11	2-Chloro-1(2,4-Dichlorophenyl) Vinyl-diethyl Phosphates	LT 7.87	-1 ug/l	GKM007
				UM25	2-Chloro-1(2,4-Dichlorophenyl) Vinyl-diethyl Phosphates	LT 1.90	1 ug/l	GKW004
				N8	Tetrachloroethene	LT 7.50	-1 ug/l	GKN010
				N8	Trichloroethene	LT 5.60	-1 ug/l	GKN010
				AV8	Ortho- & Para-Xylene	LT 1.36	0 ug/l	GK0010
				GG8	Zinc (filtered)	4.37	1 ug/l	GKR013
89134	SW08003ST	0.2	STRM	N8	1,1,1-Trichloroethane	LT 7.60	-1 ug/l	GJU014
				UM21	1,1,1-Trichloroethane	LT 1.00	0 ug/l	GLL004
				N8	1,1,2-Trichloroethane	LT 7.80	-1 ug/l	GJU014
				UM21	1,1,2-Trichloroethane	LT 1.00	0 ug/l	GLL004
				N8	1,1-Dichloroethene	LT 1.70	0 ug/l	GJU014
				UM21	1,1-Dichloroethene	LT 1.00	0 ug/l	GLL004
				N8	1,1-Dichloroethane	LT 7.30	-1 ug/l	GJU014
				UM21	1,1-Dichloroethane	LT 1.00	0 ug/l	GLL004
				N8	1,2-Dichloroethene	LT 7.60	-1 ug/l	GJU014
				UM21	1,2-Dichloroethene	LT 5.00	0 ug/l	GLL004
				N8	1,2-Dichloroethane	LT 1.10	0 ug/l	GJU014
				UM21	1,2-Dichloroethane	LT 1.00	0 ug/l	GLL004
				UM21	1,2-Dichloropropane	LT 1.00	0 ug/l	GLL004
				UM21	1,3-Dichlorobenzene	LT 1.00	0 ug/l	GLL004
				UM21	1,3-Dichloropropane	LT 4.80	0 ug/l	GLL004

Summary of Analytical Results

Surface Water Storm Samples for 89

Sampling Date	Station Number	Sample Depth (cm)	Sample Type	Method	Analytical Parameters	Results	Units	Sample Number
89134	SW08003ST	0.2	STRM	AV8	m-Xylene	LT 1.32 0	ug/l	GJT014
				UM21	m-Xylene	LT 1.00 0	ug/l	GLL004
				UM21	2-Chloroethylvinyl Ether	LT 3.50 0	ug/l	GLL004
				UM21	Acrylonitrile	LT 8.40 0	ug/l	GLL004
				KK8	Aldrin	LT 5.00 -2	ug/l	GJV007
				UM25	Aldrin	LT 1.30 1	ug/l	GKW002
				00	ALKALINITY	1.03 2	ug/l	GMK005
				AX8	Arsenic	LT 2.35 0	ug/l	GKF021
				UH11	Atrazine	LT 4.03 0	ug/l	GJX007
				UM25	Atrazine	LT 5.90 0	ug/l	GKW002
				P8	Bicycloheptadiene	LT 5.90 0	ug/l	GKC012
				UM21	Bromodichloromethane	LT 1.00 0	ug/l	GLL004
				AAAS	Benzothiazole	LT 5.00 0	ug/l	GJY007
				UM21	Vinyl Chloride	LT 1.20 1	ug/l	GLL004
				UM21	Chloroethane	LT 8.00 0	ug/l	GLL004
				AV8	Benzene	LT 1.05 0	ug/l	GJT014
				UM21	Benzene	LT 1.00 0	ug/l	GLL004
				GG8	Calcium (filtered)	3.02 4	ug/l	GKB013
				UM21	Trichlorofluoromethane	LT 1.00 0	ug/l	GLL004
				N8	Carbon Tetrachloride	LT 9.90 -1	ug/l	GJU014
				UM21	Carbon Tetrachloride	LT 1.00 0	ug/l	GLL004
				GG8	Cadmium (filtered)	LT 8.40 0	ug/l	GKB013
				N8	Methylene Chloride	LT 7.40 0	ug/l	GJU014
				UM21	Methylene Chloride	LT 1.00 0	ug/l	GLL004
				UM21	Bromomethane	LT 1.40 1	ug/l	GLL004
				UM21	Chloromethane	LT 1.20 0	ug/l	GLL004
				UM21	Bromoform	LT 1.10 1	ug/l	GLL004
				N8	Chloroform	LT 5.00 -1	ug/l	GJU014
				UM21	Chloroform	LT 1.00 0	ug/l	GLL004
				HH8A	Chloride	1.30 4	ug/l	GKH019
				KK8	Hexachlorocyclopentadiene	LT 4.80 -2	ug/l	GJV007
				UM25	Hexachlorocyclopentadiene	LT 5.40 1	ug/l	GKW002
				N8	Chlorobenzene	LT 8.20 -1	ug/l	GJU014
				UM21	Chlorobenzene	LT 1.00 0	ug/l	GLL004

Summary of Analytical Results

Surface Water Storm Samples for 89

Sampling Date	Station Number	Sample Depth (cm)	Sample Type	Method	Analytical Parameters	Results	Units	Sample Number
89134	SW08003ST	0.2	STRM	KK8	Chlordane	LT 9.50 -2	ug/l	GJV007
				UM25	Chlordane	LT 3.70 1	ug/l	GKW002
				AAA8	p-Chlorophenylmethyl Sulfide	LT 5.69 0	ug/l	GJY007
				UM25	p-Chlorophenylmethyl Sulfide	LT 1.00 1	ug/l	GKW002
				AAA8	p-Chlorophenylmethyl Sulfoxide	LT 1.15 1	ug/l	GJY007
				UM25	p-Chlorophenylmethyl Sulfoxide	LT 1.50 1	ug/l	GKW002
				AAA8	p-Chlorophenylmethyl Sulfone	LT 7.46 0	ug/l	GJY007
				UM25	p-Chlorophenylmethyl Sulfone	LT 5.30 0	ug/l	GKW002
				GG8	Chromium (filtered)	LT 2.40 1	ug/l	GKB013
				GG8	Copper (filtered)	LT 2.60 1	ug/l	GKB013
				TF20	Cyanide	LT 5.00 0	ug/l	GKE005
				AY8	Dibromochloropropane	2.41 -1	ug/l	GJW007
				UM25	Dibromochloropropane	LT 1.20 1	ug/l	GKW002
				UM21	Dibromochloromethane	LT 1.00 0	ug/l	GLL004
				UM21	1,4-Dichlorobenzene	LT 2.00 0	ug/l	GLL004
				P8	Dicyclopentadiene	LT 5.00 0	ug/l	GKC012
				UM25	Dicyclopentadiene	LT 5.50 0	ug/l	GKW002
				UH11	Vapona	LT 3.84 -1	ug/l	GJX007
				UM25	Vapona	LT 8.50 0	ug/l	GKW002
				AT8	Diisopropylmethyl Phosphonate	LT 3.92 -1	ug/l	GJZ015
				UM25	Diisopropylmethyl Phosphonate	LT 2.10 1	ug/l	GKW002
				AAA8	Dithiane	LT 1.34 0	ug/l	GJY007
				UM25	Dithiane	LT 3.30 0	ug/l	GKW002
				KK8	Dieldrin	LT 5.00 -2	ug/l	GJV007
				UM25	Dieldrin	LT 2.60 1	ug/l	GKW002
				AAA8	Dimethyldisulfide	LT 5.50 -1	ug/l	GJY007
				AT8	Dimethylmethyl Phosphate	LT 1.88 -1	ug/l	GJZ015
				UM25	Dimethylmethyl Phosphate	LT 1.30 2	ug/l	GKW002
				KK8	Endrin	LT 5.00 -2	ug/l	GJV007
				UM25	Endrin	LT 1.80 1	ug/l	GKW002
				AY8	Ethylbenzene	LT 1.37 0	ug/l	GJT014
				UM21	Ethylbenzene	LT 1.00 0	ug/l	GLL004
				HH8A	Fluoride	LT 4.82 2	ug/l	GKH019
				CC8	Mercury (filtered)	LT 1.00 -1	ug/l	GKG030

Summary of Analytical Results

Surface Water Storm Samples for 89

Sampling Date	Station Number	Sample Depth (cm)	Sample Type	Method	Analytical Parameters	Results	Units	Sample Number
89134	SW08003ST	0.2	STRM	KK8	Isodrin	LT 5.10 -2	ug/l	GJV007
				UM25	Isodrin	LT 7.80 0	ug/l	GKW002
				GG8	Potassium (filtered)	2.70 3	ug/l	GKB013
				AV8	Toluene	LT 1.47 0	ug/l	GJT014
				UM21	Toluene	LT 1.00 0	ug/l	GLL004
				UM21	Methylethyl Ketone	LT 1.00 1	ug/l	GLL004
				GG8	Magnesium (filtered)	6.21 3	ug/l	GKB013
				P8	Methylisobutyl Ketone	LT 4.90 0	ug/l	GKC012
				UM21	Methylisobutyl Ketone	LT 1.40 0	ug/l	GLL004
				UH11	Malathion	LT 3.73 -1	ug/l	GJX007
				UM25	Malathion	LT 2.10 1	ug/l	GKW002
				GG8	Sodium (filtered)	2.49 4	ug/l	GKB013
				LL8	Nitrite,Nitrate - Non specific	4.10 2	ug/l	GKD038
				AAA8	1,4-Oxathiane	LT 2.38 0	ug/l	GJY007
				UM25	1,4-Oxathiane	LT 2.70 1	ug/l	GKW002
				GG8	Lead (filtered)	LT 7.40 1	ug/l	GKB013
				KK8	Dichlorodiphenylethane	LT 5.40 -2	ug/l	GJV007
				UM25	Dichlorodiphenylethane	LT 1.40 1	ug/l	GKW002
				KK8	Dichlorodiphenyltrichloro-ethane	LT 4.90 -2	ug/l	GJV007
				UM25	Dichlorodiphenyltrichloro-ethane	LT 1.80 1	ug/l	GKW002
				UH11	Parathion	LT 6.47 -1	ug/l	GJX007
				UM25	Parathion	LT 3.70 1	ug/l	GKW002
				HH8A	Sulfate	3.10 4	ug/l	GKH019
				UH11	2-Chloro-1(2,4-Dichlorophenyl) Vinyl-diethyl Phosphates	LT 7.87 -1	ug/l	GJX007
				UM25	2-Chloro-1(2,4-Dichlorophenyl) Vinyl-diethyl Phosphates	LT 1.90 1	ug/l	GKW002
				UM21	1,1,2,2-Tetrachloroethane	LT 1.50 0	ug/l	GLL004
				N8	Tetrachloroethene	LT 7.50 -1	ug/l	GJU014
				UM21	Tetrachloroethene	LT 1.00 0	ug/l	GLL004
				N8	Trichloroethene	LT 5.60 -1	ug/l	GJU014
				UM21	Trichloroethene	LT 1.00 0	ug/l	GLL004

Summary of Analytical Results

Surface Water Storm Samples for 89

Sampling Date	Station Number	Sample Depth (cm)	Sample Type	Method	Analytical Parameters	Results	Units	Sample Number
89134	SW08003ST	0.2	STRM	AV8	Ortho- & Para-Xylene	LT 1.36	0 ug/l	GJT014
				UM21	Ortho- & Para-Xylene	LT 2.00	0 ug/l	GLL004
				GG8	Zinc (filtered)	LT 2.20	1 ug/l	GKB013
89130	SW11001ST	0.2	STSW	TT8	1,1,1-Trichloroethane	LT 1.09	0 ug/l	GBY008
				UU8	1,1,1-Trichloroethane	LT 2.40	0 ug/l	GSH007
				TT8	1,1,2-Trichloroethane	LT 1.63	0 ug/l	GBY008
				UU8	1,1,2-Trichloroethane	LT 1.60	0 ug/l	GSH007
				TT8	1,1-Dichloroethene	LT 1.85	0 ug/l	GBY008
				TT8	1,1-Dichloroethane	LT 1.93	0 ug/l	GBY008
				UU8	1,1-Dichloroethane	LT 1.40	0 ug/l	GSH007
				TT8	1,2-Dichloroethene	LT 1.75	0 ug/l	GBY008
				UU8	1,2-Dichloroethene	LT 3.20	0 ug/l	GSH007
				TT8	1,2-Dichloroethane	LT 2.07	0 ug/l	GBY008
				UU8	1,2-Dichloroethane	LT 7.20	-1 ug/l	GSH007
				UM18	1,3-Dichlorobenzene	LT 1.70	0 ug/l	PHF005
				SS8	m-Xylene	LT 1.04	0 ug/l	GAX015
				UU8	m-Xylene	LT 2.90	0 ug/l	GSH007
				MM8A	Aldrin	LT 8.30	-2 ug/l	GPL014
				UM18	Aldrin	ND 5.00	0 ug/l	PHF005
				VV8	Arsenic	LT 2.50	0 ug/l	GH0021
				UU8	Bicycloheptadiene	LT 1.80	0 ug/l	GSH007
				PP8A	Benzothiazole	LT 1.14	0 ug/l	GIQ011
				SS8	Benzene	LT 1.92	0 ug/l	GAX015
				UU8	Benzene	LT 2.70	0 ug/l	GSH007
				TT8	Carbon Tetrachloride	LT 1.69	0 ug/l	GBY008
				UU8	Carbon Tetrachloride	LT 4.90	0 ug/l	GSH007
				R9D	Cadmium	LT 5.00	0 ug/l	QSD008
				TT8	Methylene Chloride	LT 2.48	0 ug/l	GBY008
				UU8	Methylene Chloride	ND 5.00	0 ug/l	GSH007
				TT8	Chloroform	LT 1.88	0 ug/l	GBY008
				UU8	Chloroform	LT 1.70	0 ug/l	GSH007
				NN8	Chloride	8.63	3 ug/l	GJK008
				MM8A	Hexachlorocyclopentadiene	LT 8.30	-2 ug/l	GPL014

Summary of Analytical Results

Surface Water Storm Samples for 89

Sampling Date	Station Number	Sample Depth (cm)	Sample Type	Method	Analytical Parameters	Results	Units	Sample Number
89130	SW11001ST	0.2	STSW	UM18	Hexachlorocyclopentadiene	LT 8.60	0 ug/l	PHF005
				TT8	Chlorobenzene	LT 1.36	0 ug/l	GBY008
				UU8	Chlorobenzene	LT 1.80	0 ug/l	GSH007
				MM8A	Chlordane	LT 1.52	-1 ug/l	GPL014
				PP8A	p-Chlorophenylmethyl Sulfide	LT 1.08	0 ug/l	GIQ011
				PP8A	p-Chlorophenylmethyl Sulfoxide	LT 1.98	0 ug/l	GIQ011
				PP8A	p-Chlorophenylmethyl Sulfone	LT 2.24	0 ug/l	GIQ011
				R9D	Chromium	LT 2.20	1 ug/l	QSD008
				R9D	Copper	LT 1.00	1 ug/l	QSD008
				TF18	Cyanide	LT 2.50	0 ug/l	LCN007
				Q8	Dibromochloropropane	LT 1.30	-1 ug/l	GKU022
				UU8	Dibromochloropropane	LT 5.60	0 ug/l	GSH007
				UU8	Dicyclopentadiene	LT 3.70	0 ug/l	GSH007
				QQ8	Diisopropylmethyl Phosphonate	LT 1.01	1 ug/l	GG8008
				PP8A	Dithiane	LT 3.34	0 ug/l	GIQ011
				MM8A	Dieldrin	LT 5.39	-2 ug/l	GPL014
				UM18	Dieldrin	ND 5.00	0 ug/l	PHF005
				PP8A	Dimethyldisulfide	LT 1.16	0 ug/l	GIQ011
				UU8	Dimethyldisulfide	LT 3.70	0 ug/l	GSH007
				QQ8	Dimethylmethyl Phosphate	LT 1.63	1 ug/l	GG8008
				MM8A	Endrin	LT 6.00	-2 ug/l	GPL014
				UM18	Endrin	ND 8.00	0 ug/l	PHF005
				SS8	Ethylbenzene	LT 6.20	-1 ug/l	GAX015
				UU8	Ethylbenzene	LT 2.40	0 ug/l	GSH007
				NN8	Fluoride	1.22	3 ug/l	GJK008
				WW8	Mercury	LT 5.00	-1 ug/l	GWA011
				MM8A	Isodrin	LT 5.60	-2 ug/l	GPL014
				XX8	Potassium	2.98	3 ug/l	DYW008
				SS8	Toluene	LT 2.10	0 ug/l	GAX015
				UU8	Toluene	LT 3.50	0 ug/l	GSH007
				UU8	Methylisobutyl Ketone	LT 1.20	0 ug/l	GSH007
				TF22	Nitrite,Nitrate - Non specific	1.00	3 ug/l	PCD018
				UM18	N-Nitrosodimethylamine	ND 2.00	0 ug/l	PHF005
				UM18	N-Nitrosodi-N-Propylamine	LT 4.40	0 ug/l	PHF005

Summary of Analytical Results

Surface Water Storm Samples for 89

Sampling Date	Station Number	Sample Depth (cm)	Sample Type	Method	Analytical Parameters	Results	Units	Sample Number
89130	SW11001ST	0.2	STSW	PP8A	1,4-Oxathiane	LT 1.35	0 ug/l	GIQ011
				R9D	Lead	LT 5.20	1 ug/l	QSD008
				MM8A	Dichlorodiphenylethane	LT 4.60	-2 ug/l	GPL014
				UM18	Dichlorodiphenylethane	ND 5.00	0 ug/l	PHF005
				MM8A	Dichlorodiphenyltrichloroethane	LT 5.90	-2 ug/l	GPL014
				UM18	Dichlorodiphenyltrichloroethane	ND 9.00	0 ug/l	PHF005
				UN07	Parathion	1.04	0 ug/l	PGB008
				NN8	Sulfate	1.11	4 ug/l	GJK008
				TT8	Tetrachloroethene	LT 2.76	0 ug/l	GBY008
				UU8	Tetrachloroethene	LT 2.90	0 ug/l	GSH007
				TT8	Trichloroethene	LT 1.31	0 ug/l	GBY008
				UU8	Trichloroethene	LT 2.00	0 ug/l	GSH007
				SS8	Ortho- & Para-Xylene	1.46	0 ug/l	GAX015
				UU8	Ortho- & Para-Xylene	LT 2.40	0 ug/l	GSH007
				R9D	Zinc	3.81	1 ug/l	QSD008
89130	SW11002ST	0.2	STRM	TT8	1,1,1-Trichloroethane	LT 1.09	0 ug/l	GBY006
				UU8	1,1,1-Trichloroethane	LT 2.40	0 ug/l	GSH005
				TT8	1,1,2-Trichloroethane	LT 1.63	0 ug/l	GBY006
				UU8	1,1,2-Trichloroethane	LT 1.60	0 ug/l	GSH005
				TT8	1,1-Dichloroethene	LT 1.85	0 ug/l	GBY006
				TT8	1,1-Dichloroethane	LT 1.93	0 ug/l	GBY006
				UU8	1,1-Dichloroethane	LT 1.40	0 ug/l	GSH005
				TT8	1,2-Dichloroethene	LT 1.75	0 ug/l	GBY006
				UU8	1,2-Dichloroethene	LT 3.20	0 ug/l	GSH005
				TT8	1,2-Dichloroethane	LT 2.07	0 ug/l	GBY006
				UU8	1,2-Dichloroethane	LT 7.20	-1 ug/l	GSH005
				UM18	1,3-Dichlorobenzene	LT 1.70	0 ug/l	PHF003
				SS8	m-Xylene	LT 1.04	0 ug/l	GAX006
				UU8	m-Xylene	LT 2.90	0 ug/l	GSH005
				MM8A	Aldrin	LT 8.30	-2 ug/l	GPL012
				MM8A	Aldrin	LT 8.30	-2 ug/l	GPL013

Summary of Analytical Results

Surface Water Storm Samples for 89

Sampling Date	Station Number	Sample Depth (cm)	Sample Type	Method	Analytical Parameters	Results	Units	Sample Number
89130	SW11002ST	0.2	STRM	UM18	Aldrin	ND 4.70 0	ug/l	PHF003
				VV8	Arsenic	LT 2.50 0	ug/l	GH0019
				UU8	Bicycloheptadiene	LT 1.80 0	ug/l	GSH005
				PP8A	Benothiazole	LT 1.14 0	ug/l	GIQ009
				UM18	Benothiazole	3.00 0	ug/l	PHF003
				SS8	Benzene	LT 1.92 0	ug/l	GAX006
				UU8	Benzene	LT 2.70 0	ug/l	GSH005
				TT8	Carbon Tetrachloride	LT 1.69 0	ug/l	GBY006
				UU8	Carbon Tetrachloride	LT 4.90 0	ug/l	GSH005
				R9D	Cadmium	LT 5.00 0	ug/l	QSD006
				TT8	Methylene Chloride	LT 2.48 0	ug/l	GBY006
				UU8	Methylene Chloride	ND 5.00 0	ug/l	GSH005
				TT8	Chloroform	LT 1.88 0	ug/l	GBY006
				UU8	Chloroform	LT 1.70 0	ug/l	GSH005
				NN8	Chloride	1.16 4	ug/l	GJK006
				MM8A	Hexachlorocyclopentadiene	LT 8.30 -2	ug/l	GPL012
				MM8A	Hexachlorocyclopentadiene	LT 8.30 -2	ug/l	GPL013
				UM18	Hexachlorocyclopentadiene	LT 8.60 0	ug/l	PHF003
				TT8	Chlorobenzene	LT 1.36 0	ug/l	GBY006
				UU8	Chlorobenzene	LT 1.80 0	ug/l	GSH005
				MM8A	Chlordane	LT 1.52 -1	ug/l	GPL012
				MM8A	Chlordane	LT 1.52 -1	ug/l	GPL013
				PP8A	p-Chlorophenylmethyl Sulfide	LT 1.08 0	ug/l	GIQ009
				PP8A	p-Chlorophenylmethyl Sulfoxide	LT 1.98 0	ug/l	GIQ009
				PP8A	p-Chlorophenylmethyl Sulfone	LT 2.24 0	ug/l	GIQ009
				R9D	Chromium	LT 2.20 1	ug/l	QSD006
				R9D	Copper	1.05 1	ug/l	QSD006
				TF18	Cyanide	LT 2.50 0	ug/l	LCN005
				Q8	Dibromochloropropane	LT 1.30 -1	ug/l	GKU020
				UU8	Dibromochloropropane	LT 5.60 0	ug/l	GSH005
				R8	Dicyclopentadiene	LT 9.31 0	ug/l	GXA020
				UU8	Dicyclopentadiene	LT 3.70 0	ug/l	GSH005
				QQ8	Diisopropylmethyl Phosphonate	LT 1.01 1	ug/l	GG8006
				PP8A	Dithiane	LT 3.34 0	ug/l	GIQ009

Summary of Analytical Results

Surface Water Storm Samples for 89

Sampling Date	Station Number	Sample Depth (cm)	Sample Type	Method	Analytical Parameters	Results	Units	Sample Number
89130	SW11002ST	0.2	STRM	MM8A	Dieldrin	LT 5.39 -2	ug/l	GPL012
				MM8A	Dieldrin	LT 5.39 -2	ug/l	GPL013
				UM18	Dieldrin	ND 4.70 0	ug/l	PHF003
				PP8A	Dimethyldisulfide	LT 1.16 0	ug/l	GIQ009
				UUS	Dimethyldisulfide	LT 3.70 0	ug/l	GSH005
				QQ8	Dimethylmethyl Phosphate	LT 1.63 1	ug/l	GG5006
				MM8A	Endrin	LT 6.00 -2	ug/l	GPL012
				MM8A	Endrin	LT 6.00 -2	ug/l	GPL013
				UM18	Endrin	ND 7.60 0	ug/l	PHF003
				SS8	Ethylbenzene	LT 6.20 -1	ug/l	GAX006
				UUS	Ethylbenzene	LT 2.40 0	ug/l	GSH005
				NN8	Fluoride	LT 1.00 3	ug/l	GJK006
				WW8	Mercury	LT 5.00 -1	ug/l	GWA009
				MM8A	Isodrin	LT 5.60 -2	ug/l	GPL012
				MM8A	Isodrin	LT 5.60 -2	ug/l	GPL013
				XX8	Potassium	2.62 3	ug/l	DYW006
				SS8	Toluene	LT 2.10 0	ug/l	GAX006
				UUS	Toluene	LT 3.50 0	ug/l	GSH005
				R8	Methylisobutyl Ketone	LT 1.29 1	ug/l	GXA020
				UUS	Methylisobutyl Ketone	LT 1.20 0	ug/l	GSH005
				TF22	Nitrite,Nitrate - Non specific	1.00 3	ug/l	PCD016
				UM18	N-Nitrosodimethylamine	ND 2.00 0	ug/l	PHF003
				UM18	N-Nitrosodi-N-Propylamine	LT 4.40 0	ug/l	PHF003
				PP8A	1,4-Oxathiane	LT 1.35 0	ug/l	GIQ009
				R9D	Lead	LT 5.20 1	ug/l	QSD006
				MM8A	Dichlorodiphenylethane	LT 4.60 -2	ug/l	GPL012
				MM8A	Dichlorodiphenylethane	LT 4.60 -2	ug/l	GPL013
				UM18	Dichlorodiphenylethane	ND 4.70 0	ug/l	PHF003
				MM8A	Dichlorodiphenyltrichloro-ethane	LT 5.90 -2	ug/l	GPL012
				UM18	Dichlorodiphenyltrichloro-ethane	ND 9.20 0	ug/l	PHF003
				UN07	Parathion	LT 2.50 -1	ug/l	PGB006
				NN8	Sulfate	1.34 4	ug/l	GJK006

Summary of Analytical Results

Surface Water Storm Samples for 89

Sampling Date	Station Number	Sample Depth (cm)	Sample Type	Method	Analytical Parameters	Results	Units	Sample Number
89130	SW11002ST	0.2	STRM	TT8	Tetrachloroethene	LT 2.76 0	ug/l	GBY006
				UU8	Tetrachloroethene	LT 2.90 0	ug/l	GSH005
				TT8	Trichloroethene	LT 1.31 0	ug/l	GBY006
				UU8	Trichloroethene	LT 2.00 0	ug/l	GSH005
				SS8	Ortho- & Para-Xylene	LT 1.34 0	ug/l	GAX006
				UU8	Ortho- & Para-Xylene	LT 2.40 0	ug/l	GSH005
				R9D	Zinc	2.94 1	ug/l	QSD006
89135	SW12002ST	0.2	DTCH	N8	1,1,1-Trichloroethane	LT 7.60 -1	ug/l	GKN011
				N8	1,1,2-Trichloroethane	LT 7.80 -1	ug/l	GKN011
				N8	1,1-Dichloroethene	LT 1.70 0	ug/l	GKN011
				N8	1,1-Dichloroethane	LT 7.30 -1	ug/l	GKN011
				N8	1,2-Dichloroethene	LT 7.60 -1	ug/l	GKN011
				N8	1,2-Dichloroethane	LT 1.10 0	ug/l	GKN011
				AV8	m-Xylene	LT 1.32 0	ug/l	GK0011
				KK8	Aldrin	LT 5.00 -2	ug/l	GKK008
				UM25	Aldrin	LT 1.30 1	ug/l	GKW005
				00	ALKALINITY	LT 9.61 1	ug/l	GPK007
				AX8	Arsenic (filtered)	LT 2.35 0	ug/l	GKS017
				UH11	Atrazine	LT 4.03 0	ug/l	GKM008
				UM25	Atrazine	LT 5.90 0	ug/l	GKW005
				P8	Bicycloheptadiene	LT 5.90 0	ug/l	GKQ013
				AAA8	Benothiazole	LT 5.00 0	ug/l	GKJ008
				AV8	Benzene	LT 1.05 0	ug/l	GK0011
				GG8	Calcium (filtered)	2.00 3	ug/l	GKR014
				N8	Carbon Tetrachloride	LT 9.90 -1	ug/l	GKN011
				GG8	Cadmium (filtered)	LT 8.40 0	ug/l	GKR014
				N8	Methylene Chloride	LT 7.40 0	ug/l	GKN011
				N8	Chloroform	LT 5.00 -1	ug/l	GKN011
				KK8	Hexachlorocyclopentadiene	LT 4.80 -2	ug/l	GKK008
				UM25	Hexachlorocyclopentadiene	LT 5.40 1	ug/l	GKW005
				N8	Chlorobenzene	LT 8.20 -1	ug/l	GKN011
				KK8	Chlordane	LT 9.50 -2	ug/l	GKK008
				UM25	Chlordane	LT 3.70 1	ug/l	GKW005

Summary of Analytical Results

Surface Water Storm Samples for 89

Sampling Date	Station Number	Sample Depth (cm)	Sample Type	Method	Analytical Parameters	Results	Units	Sample Number
89135	SW12002ST	0.2	DTCH	AAA8	p-Chlorophenylmethyl Sulfide	LT 5.69 0	ug/l	GKJ008
				UM25	p-Chlorophenylmethyl Sulfide	LT 1.00 1	ug/l	GKW005
				AAA8	p-Chlorophenylmethyl Sulfoxide	LT 1.15 1	ug/l	GKJ008
				UM25	p-Chlorophenylmethyl Sulfoxide	LT 1.50 1	ug/l	GKW005
				AAA8	p-Chlorophenylmethyl Sulfone	LT 7.46 0	ug/l	GKJ008
				UM25	p-Chlorophenylmethyl Sulfone	LT 5.30 0	ug/l	GKW005
				GG8	Chromium (filtered)	LT 2.40 1	ug/l	GKR014
				GG8	Copper (filtered)	LT 2.60 1	ug/l	GKR014
				TF20	Cyanide	LT 5.00 0	ug/l	GKT011
				AY8	Dibromochloropropane	LT 1.95 -1	ug/l	GKL008
				UM25	Dibromochloropropane	LT 1.20 1	ug/l	GKW005
				P8	Dicyclopentadiene	LT 5.00 0	ug/l	GKQ013
				UM25	Dicyclopentadiene	LT 5.50 0	ug/l	GKW005
				UH11	Vapona	LT 3.84 -1	ug/l	GKM008
				UM25	Vapona	LT 8.50 0	ug/l	GKW005
				AT8	Diisopropylmethyl Phosphonate	LT 3.92 -1	ug/l	GKI006
				UM25	Diisopropylmethyl Phosphonate	LT 2.10 1	ug/l	GKW005
				AAA8	Dithiane	LT 1.34 0	ug/l	GKJ008
				UM25	Dithiane	LT 3.30 0	ug/l	GKW005
				KK8	Dieldrin	LT 5.00 -2	ug/l	GKK008
				UM25	Dieldrin	LT 2.60 1	ug/l	GKW005
				AAA8	Dimethyldisulfide	LT 5.50 -1	ug/l	GKJ008
				AT8	Dimethylmethyl Phosphate	LT 1.88 -1	ug/l	GKI006
				UM25	Dimethylmethyl Phosphate	LT 1.30 2	ug/l	GKW005
				KK8	Endrin	LT 5.00 -2	ug/l	GKK008
				UM25	Endrin	LT 1.80 1	ug/l	GKW005
				AV8	Ethylbenzene	LT 1.37 0	ug/l	GK0011
				CC8	Mercury (filtered)	LT 1.00 -1	ug/l	GML007
				KK8	Isodrin	LT 5.10 -2	ug/l	GKK008
				UM25	Isodrin	LT 7.80 0	ug/l	GKW005
				GG8	Potassium (filtered)	1.47 3	ug/l	GKR014
				AV8	Toluene	LT 1.47 0	ug/l	GK0011
				GG8	Magnesium (filtered)	LT 5.00 2	ug/l	GKR014
				P8	Methylisobutyl Ketone	LT 4.90 0	ug/l	GKQ013

Summary of Analytical Results

Surface Water Storm Samples for 89

Sampling Date	Station Number	Sample Depth (cm)	Sample Type	Method	Analytical Parameters	Results	Units	Sample Number
89135	SW12002ST	0.2	DTCH	UH11	Malathion	LT 3.73	-1 ug/l	GKM008
				UM25	Malathion	LT 2.10	1 ug/l	GKW005
				GG8	Sodium (filtered)	2.14	3 ug/l	GKR014
				LL8	Nitrite, Nitrate - Non specific	4.60	2 ug/l	GKV019
				AAA8	1,4-Oxathiane	LT 2.38	0 ug/l	GKJ008
				UM25	1,4-Oxathiane	LT 2.70	1 ug/l	GKW005
				GG8	Lead (filtered)	LT 7.40	1 ug/l	GKR014
				KK8	Dichlorodiphenylethane	LT 5.40	-2 ug/l	GKK008
				UM25	Dichlorodiphenylethane	LT 1.40	1 ug/l	GKW005
				KK8	Dichlorodiphenyltrichloro-ethane	LT 4.90	-2 ug/l	GKK008
				UM25	Dichlorodiphenyltrichloro-ethane	LT 1.80	1 ug/l	GKW005
				UH11	Parathion	LT 6.47	-1 ug/l	GKM008
				UM25	Parathion	LT 3.70	1 ug/l	GKW005
				UH11	2-Chloro-1(2,4-Dichlorophenyl) Vinyl-diethyl Phosphates	LT 7.87	-1 ug/l	GKM008
				UM25	2-Chloro-1(2,4-Dichlorophenyl) Vinyl-diethyl Phosphates	LT 1.90	1 ug/l	GKW005
				N8	Tetrachloroethene	LT 7.50	-1 ug/l	GKN011
				N8	Trichloroethene	LT 5.60	-1 ug/l	GKN011
				AV8	Ortho- & Para-Xylene	LT 1.36	0 ug/l	GK0011
				GG8	Zinc (filtered)	LT 2.20	1 ug/l	GKR014
89130	SW12005ST	0.2	STRM	TT8	1,1,1-Trichloroethane	LT 1.09	0 ug/l	GBY007
				UU8	1,1,1-Trichloroethane	LT 2.40	0 ug/l	GSH006
				TT8	1,1,2-Trichloroethane	LT 1.63	0 ug/l	GBY007
				UU8	1,1,2-Trichloroethane	LT 1.60	0 ug/l	GSH006
				TT8	1,1-Dichloroethene	LT 1.85	0 ug/l	GBY007
				TT8	1,1-Dichloroethane	LT 1.93	0 ug/l	GBY007
				UU8	1,1-Dichloroethane	LT 1.40	0 ug/l	GSH006
				TT8	1,2-Dichloroethene	LT 1.75	0 ug/l	GBY007
				UU8	1,2-Dichloroethene	LT 3.20	0 ug/l	GSH006
				TT8	1,2-Dichloroethane	LT 2.07	0 ug/l	GBY007
				UU8	1,2-Dichloroethane	LT 7.20	-1 ug/l	GSH006

Summary of Analytical Results

Surface Water Storm Samples for 89

Sampling Date	Station Number	Sample Depth (cm)	Sample Type	Method	Analytical Parameters	Results	Units	Sample Number
89130	SW12005ST	0.2	STRM	UM18	1,3-Dichlorobenzene	LT 1.70 0	ug/l	PHF004
				SS8	m-Xylene	LT 1.04 0	ug/l	GAX007
				UU8	m-Xylene	LT 2.90 0	ug/l	GSH006
				UM18	Aldrin	ND 4.70 0	ug/l	PHF004
				VV8	Arsenic	LT 2.50 0	ug/l	GH0020
				UU8	Bicycloheptadiene	LT 1.80 0	ug/l	GSH006
				PP8A	Benzothiazole	LT 1.14 0	ug/l	GIQ010
				SS8	Benzene	LT 1.92 0	ug/l	GAX007
				UU8	Benzene	LT 2.70 0	ug/l	GSH006
				TT8	Carbon Tetrachloride	LT 1.69 0	ug/l	GBY007
				UU8	Carbon Tetrachloride	LT 4.90 0	ug/l	GSH006
				R9D	Cadmium	LT 5.00 0	ug/l	QSD007
				TT8	Methylene Chloride	LT 2.48 0	ug/l	GBY007
				UU8	Methylene Chloride	ND 5.00 0	ug/l	GSH006
				TT8	Chloroform	LT 1.88 0	ug/l	GBY007
				UU8	Chloroform	LT 1.70 0	ug/l	GSH006
				NN8	Chloride	1.81 4	ug/l	GJK007
				UM18	Hexachlorocyclopentadiene	LT 8.60 0	ug/l	PHF004
				TT8	Chlorobenzene	LT 1.36 0	ug/l	GBY007
				UU8	Chlorobenzene	LT 1.80 0	ug/l	GSH006
				PP8A	p-Chlorophenylmethyl Sulfide	LT 1.08 0	ug/l	GIQ010
				PP8A	p-Chlorophenylmethyl Sulfoxide	LT 1.98 0	ug/l	GIQ010
				PP8A	p-Chlorophenylmethyl Sulfone	LT 2.24 0	ug/l	GIQ010
				R9D	Chromium	LT 2.20 1	ug/l	QSD007
				R9D	Copper	LT 1.00 1	ug/l	QSD007
				TF18	Cyanide	LT 2.50 0	ug/l	LCN006
				Q8	Dibromochloropropane	LT 1.30 -1	ug/l	GKU021
				UU8	Dibromochloropropane	LT 5.60 0	ug/l	GSH006
				R8	Dicyclopentadiene	LT 9.31 0	ug/l	GXA021
				R8	Dicyclopentadiene	LT 9.31 0	ug/l	GXA022
				UU8	Dicyclopentadiene	LT 3.70 0	ug/l	GSH006
				QQ8	Diisopropylmethyl Phosphonate	LT 1.01 1	ug/l	GG007
				PP8A	Dithiane	LT 3.34 0	ug/l	GIQ010
				UM18	Dieldrin	ND 4.70 0	ug/l	PHF004

Summary of Analytical Results

Surface Water Storm Samples for 89

Sampling Date	Station Number	Sample Depth (cm)	Sample Type	Method	Analytical Parameters	Results	Units	Sample Number
89130	SW12005ST	0.2	STRM	PP8A	Dimethyldisulfide	LT 1.16 0	ug/l	GIQ010
				UU8	Dimethyldisulfide	LT 3.70 0	ug/l	GSH006
				QQ8	Dimethylmethyl Phosphate	LT 1.63 1	ug/l	GGS007
				UM18	Endrin	ND 7.60 0	ug/l	PHF004
				SS8	Ethylbenzene	LT 6.20 -1	ug/l	GAX007
				UU8	Ethylbenzene	LT 2.40 0	ug/l	GSH006
				NN8	Fluoride	LT 1.00 3	ug/l	GJK007
				WW8	Mercury	LT 5.00 -1	ug/l	GWA010
				XX8	Potassium	5.05 3	ug/l	DYW007
				SS8	Toluene	LT 2.10 0	ug/l	GAX007
				UU8	Toluene	LT 3.50 0	ug/l	GSH006
				R8	Methylisobutyl Ketone	LT 1.29 1	ug/l	GXA021
				R8	Methylisobutyl Ketone	LT 1.29 1	ug/l	GXA022
				UU8	Methylisobutyl Ketone	LT 1.20 0	ug/l	GSH006
				TF22	Nitrite,Nitrate - Non specific	1.60 3	ug/l	PCD017
				UM18	N-Nitrosodimethylamine	ND 2.00 0	ug/l	PHF004
				UM18	N-Nitrosodi-N-Propylamine	LT 4.40 0	ug/l	PHF004
				PP8A	1,4-Oxathiane	LT 1.35 0	ug/l	GIQ010
				R9D	Lead	LT 5.20 1	ug/l	QSD007
				UM18	Dichlorodiphenylethane	ND 4.70 0	ug/l	PHF004
				MM8A	Dichlorodiphenyltrichloroethane	LT 5.90 -2	ug/l	GPL013
				UM18	Dichlorodiphenyltrichloroethane	ND 9.20 0	ug/l	PHF004
				UN07	Parathion	LT 2.50 -1	ug/l	PGB007
				NN8	Sulfate	2.44 4	ug/l	GJK007
				TT8	Tetrachloroethene	LT 2.76 0	ug/l	GBY007
				UU8	Tetrachloroethene	LT 2.90 0	ug/l	GSH006
				TT8	Trichloroethene	LT 1.31 0	ug/l	GBY007
				UU8	Trichloroethene	LT 2.00 0	ug/l	GSH006
				SS8	Ortho- & Para-Xylene	LT 1.34 0	ug/l	GAX007
				UU8	Ortho- & Para-Xylene	LT 2.40 0	ug/l	GSH006
				R9D	Zinc	2.73 1	ug/l	QSD007
89135	SW24002ST	0.2	STRM	N8	1,1,1-Trichloroethane	LT 7.60 -1	ug/l	GJU015

Summary of Analytical Results

Surface Water Storm Samples for 89

Sampling Date	Station Number	Sample Depth (cm)	Sample Type	Method	Analytical Parameters	Results	Units	Sample Number
89135	SW24002ST	0.2	STRM	N8	1,1,2-Trichloroethane	LT 7.80 -1	ug/l	GJU015
				N8	1,1-Dichloroethene	LT 1.70 0	ug/l	GJU015
				N8	1,1-Dichloroethane	LT 7.30 -1	ug/l	GJU015
				N8	1,2-Dichloroethene	LT 7.60 -1	ug/l	GJU015
				N8	1,2-Dichloroethane	LT 1.10 0	ug/l	GJU015
				AV8	m-Xylene	LT 1.32 0	ug/l	GJT015
				KK8	Aldrin	LT 5.00 -2	ug/l	GJV008
				UM25	Aldrin	LT 1.30 1	ug/l	GKW003
				00	ALKALINITY	2.88 2	ug/l	GKM006
				AX8	Arsenic	LT 2.35 0	ug/l	GKF022
				UH11	Atrazine	LT 4.03 0	ug/l	GJX008
				UM25	Atrazine	LT 5.90 0	ug/l	GKW003
				P8	Bicycloheptadiene	LT 5.90 0	ug/l	GKC013
				AAA8	Benzothiazole	LT 5.00 0	ug/l	GJY008
				AV8	Benzene	LT 1.05 0	ug/l	GJT015
				GG8	Calcium (filtered)	8.46 4	ug/l	GKB014
				N8	Carbon Tetrachloride	LT 9.90 -1	ug/l	GJU015
				GG8	Cadmium (filtered)	LT 8.40 0	ug/l	GKB014
				N8	Methylene Chloride	LT 7.40 0	ug/l	GJU015
				N8	Chloroform	LT 5.00 -1	ug/l	GJU015
				HH8A	Chloride	4.80 4	ug/l	GKH020
				KK8	Hexachlorocyclopentadiene	LT 4.80 -2	ug/l	GJV008
				UM25	Hexachlorocyclopentadiene	LT 5.40 1	ug/l	GKW003
				N8	Chlorobenzene	LT 8.20 -1	ug/l	GJU015
				KK8	Chlordane	LT 9.50 -2	ug/l	GJV008
				UM25	Chlordane	LT 3.70 1	ug/l	GKW003
				AAA8	p-Chlorophenylmethyl Sulfide	LT 5.69 0	ug/l	GJY008
				UM25	p-Chlorophenylmethyl Sulfide	LT 1.00 1	ug/l	GKW003
				AAA8	p-Chlorophenylmethyl Sulfoxide	LT 1.15 1	ug/l	GJY008
				UM25	p-Chlorophenylmethyl Sulfoxide	LT 1.50 1	ug/l	GKW003
				AAA8	p-Chlorophenylmethyl Sulfone	LT 7.46 0	ug/l	GJY008
				UM25	p-Chlorophenylmethyl Sulfone	LT 5.30 0	ug/l	GKW003
				GG8	Chromium (filtered)	LT 2.40 1	ug/l	GKB014
				GG8	Copper (filtered)	LT 2.60 1	ug/l	GKB014

Summary of Analytical Results

Surface Water Storm Samples for 89

Sampling Date	Station Number	Sample Depth (cm)	Sample Type	Method	Analytical Parameters	Results	Units	Sample Number
89135	SW24002ST	0.2	STRM	TF20	Cyanide	LT 5.00 0	ug/l	GKE006
				AY8	Dibromochloropropane	LT 1.95 -1	ug/l	GJW008
				UM25	Dibromochloropropane	LT 1.20 1	ug/l	GKW003
				P8	Dicyclopentadiene	LT 5.00 0	ug/l	GKC013
				UM25	Dicyclopentadiene	LT 5.50 0	ug/l	GKW003
				UH11	Vapona	LT 3.84 -1	ug/l	GJX008
				UM25	Vapona	LT 8.50 0	ug/l	GKW003
				AT8	Diisopropylmethyl Phosphonate	LT 3.92 -1	ug/l	GJZ016
				UM25	Diisopropylmethyl Phosphonate	LT 2.10 1	ug/l	GKW003
				AAA8	Dithiane	LT 1.34 0	ug/l	GJY008
				UM25	Dithiane	LT 3.30 0	ug/l	GKW003
				KK8	Dieldrin	LT 5.00 -2	ug/l	GJV008
				UM25	Dieldrin	LT 2.60 1	ug/l	GKW003
				AAA8	Dimethyldisulfide	LT 5.50 -1	ug/l	GJY008
				AT8	Dimethylmethyl Phosphate	LT 1.88 -1	ug/l	GJZ016
				UM25	Dimethylmethyl Phosphate	LT 1.30 2	ug/l	GKW003
				KK8	Endrin	LT 5.00 -2	ug/l	GJV008
				UM25	Endrin	LT 1.80 1	ug/l	GKW003
				AV8	Ethylbenzene	LT 1.37 0	ug/l	GJT015
				HH8A	Fluoride	1.35 3	ug/l	GKH020
				CC8	Mercury (filtered)	LT 1.00 -1	ug/l	GKG031
				KK8	Isodrin	LT 5.10 -2	ug/l	GJV008
				UM25	Isodrin	LT 7.80 0	ug/l	GKW003
				GG8	Potassium (filtered)	6.44 3	ug/l	GKB014
				AV8	Toluene	LT 1.47 0	ug/l	GJT015
				GG8	Magnesium (filtered)	2.50 4	ug/l	GKB014
				P8	Methylisobutyl Ketone	LT 4.90 0	ug/l	GKC013
				UH11	Malathion	LT 3.73 -1	ug/l	GJX008
				UM25	Malathion	LT 2.10 1	ug/l	GKW003
				GG8	Sodium (filtered)	8.89 4	ug/l	GKB014
				LL8	Nitrite,Nitrate - Non specific	1.90 2	ug/l	GKD039
				AAA8	1,4-Oxathiane	LT 2.38 0	ug/l	GJY008
				UM25	1,4-Oxathiane	LT 2.70 1	ug/l	GKW003
				GG8	Lead (filtered)	LT 7.40 1	ug/l	GKB014

Summary of Analytical Results

Surface Water Storm Samples for 89

Sampling Date	Station Number	Sample Depth (cm)	Sample Type	Method	Analytical Parameters	Results	Units	Sample Number
89135	SW24002ST	0.2	STRM	KK8	Dichlorodiphenylethane	LT 5.40 -2	ug/l	GJV008
				UM25	Dichlorodiphenylethane	LT 1.40 1	ug/l	GKW003
				KK8	Dichlorodiphenyltrichloroethane	LT 4.90 -2	ug/l	GJV008
				UM25	Dichlorodiphenyltrichloroethane	LT 1.80 1	ug/l	GKW003
				UH11	Parathion	LT 6.47 -1	ug/l	GJX008
				UM25	Parathion	LT 3.70 1	ug/l	GKW003
				HH8A	Sulfate	1.50 5	ug/l	GKH020
				UH11	2-Chloro-1(2,4-Dichlorophenyl) Vinyl-diethyl Phosphates	LT 7.87 -1	ug/l	GJX008
				UM25	2-Chloro-1(2,4-Dichlorophenyl) Vinyl-diethyl Phosphates	LT 1.90 1	ug/l	GKW003
				N8	Tetrachloroethene	LT 7.50 -1	ug/l	GJU015
				N8	Trichloroethene	LT 5.60 -1	ug/l	GJU015
				AV8	Ortho- & Para-Xylene	LT 1.36 0	ug/l	GJT015
				GG8	Zinc (filtered)	LT 2.20 1	ug/l	GKB014

APPENDIX B-4

Fall 1989 Water Quality Data

Summary of Analytical Results

Surface Water Samples for FALL 89

Sampling Date	Station Number	Sample Depth (cm)	Sample Type	Method	Analytical Parameters	Results	Units	Sample Number
89269	SW01001	0.1	DTCH	N8	1,1,1-Trichloroethane	LT 7.60 -1	ug/l	HHU009
				N8	1,1,2-Trichloroethane	LT 7.80 -1	ug/l	HHU009
				N8	1,1-Dichloroethene	LT 1.70 0	ug/l	HHU009
				N8	1,1-Dichloroethane	LT 7.30 -1	ug/l	HHU009
				N8	1,2-Dichloroethene	LT 7.60 -1	ug/l	HHU009
				N8	1,2-Dichloroethane	LT 1.10 0	ug/l	HHU009
				AV8	m-Xylene	LT 1.32 0	ug/l	HHV009
				KK8	Aldrin	LT 5.00 -2	ug/l	HHD009
				00	ALKALINITY	1.82 5	ug/l	HHW006
				AX8	Arsenic	LT 2.35 0	ug/l	HIB009
				UH11	Atrazine	LT 4.03 0	ug/l	HHG009
				P8	Bicycloheptadiene	LT 5.90 0	ug/l	HHF009
				AAA8	Benzothiazole	LT 5.00 0	ug/l	HHC009
				AV8	Benzene	LT 1.05 0	ug/l	HHV009
				SS12	Calcium	6.46 4	ug/l	HIC009
				N8	Carbon Tetrachloride	LT 9.90 -1	ug/l	HHU009
				SS12	Cadmium	LT 6.78 0	ug/l	HIC009
				N8	Methylene Chloride	LT 7.40 0	ug/l	HHU009
				N8	Chloroform	LT 5.00 -1	ug/l	HHU009
				TT09	Chloride	4.10 4	ug/l	HHZ009
				KK8	Hexachlorocyclopentadiene	LT 4.80 -2	ug/l	HHD009
				N8	Chlorobenzene	LT 8.20 -1	ug/l	HHU009
				KK8	Chlordane	LT 9.50 -2	ug/l	HHD009
				AAA8	p-Chlorophenylmethyl Sulfide	LT 5.69 0	ug/l	HHC009
				AAA8	p-Chlorophenylmethyl Sulfoxide	LT 1.15 1	ug/l	HHC009
				AAA8	p-Chlorophenylmethyl Sulfone	LT 7.46 0	ug/l	HHC009
				SS12	Chromium	LT 1.68 1	ug/l	HIC009
				SS12	Copper	LT 1.88 1	ug/l	HIC009
				TF20	Cyanide	LT 5.00 0	ug/l	HHX009
				AY8	Dibromochloropropane	LT 1.95 -1	ug/l	HHI009
				P8	Dicyclopentadiene	LT 5.00 0	ug/l	HHF009
				UH11	Vapona	LT 3.84 -1	ug/l	HHG009
				AT8	Diisopropylmethyl Phosphonate	LT 3.92 -1	ug/l	HHE009
				AAA8	Dithiane	LT 1.34 0	ug/l	HHC009

Note: Results for some parameters may appear in more than one analytical fraction.

Summary of Analytical Results

Surface Water Samples for FALL 89

Sampling Date	Station Number	Sample Depth (cm)	Sample Type	Method	Analytical Parameters	Results	Units	Sample Number
89269	SW01001	0.1	DTCH	KK8	Dieldrin	LT 5.00 -2	ug/l	HH0009
					AAA8 Dimethyldisulfide	LT 5.50 -1	ug/l	HH0009
					AT8 Dimethylmethyl Phosphate	LT 1.88 -1	ug/l	HH0009
					KK8 Endrin	LT 5.00 -2	ug/l	HH0009
					AV8 Ethylbenzene	LT 1.37 0	ug/l	HHV009
				TT09	Fluoride	1.29 3	ug/l	HHZ009
				CC8	Mercury	LT 1.00 -1	ug/l	HIA009
				KK8	Isodrin	LT 5.10 -2	ug/l	HH0009
				SS12	Potassium	5.11 3	ug/l	HIC009
				AV8	Toluene	LT 1.47 0	ug/l	HHV009
				SS12	Magnesium	2.09 4	ug/l	HIC009
				P8	Methylisobutyl Ketone	LT 4.90 0	ug/l	HHF009
				UH11	Malathion	LT 3.73 -1	ug/l	HHG009
				SS12	Sodium	6.90 4	ug/l	HIC009
				LL8	Nitrite,Nitrate - Non specific	1.50 3	ug/l	HHV009
				AAA8	1,4-Oxathiane	LT 2.38 0	ug/l	HH0009
				SS12	Lead	LT 4.34 1	ug/l	HIC009
				KK8	Dichlorodiphenylethane	LT 5.40 -2	ug/l	HH0009
				KK8	Dichlorodiphenyltrichloro-ethane	LT 4.90 -2	ug/l	HH0009
				UH11	Parathion	LT 6.47 -1	ug/l	HHG009
				TT09	Sulfate	1.00 5	ug/l	HHZ009
				UH11	2-Chloro-1(2,4-Dichlorophenyl) Vinyl-diethyl Phosphates	LT 7.87 -1	ug/l	HHG009
				N8	Tetrachloroethene	LT 7.50 -1	ug/l	HHU009
				N8	Trichloroethene	LT 5.60 -1	ug/l	HHU009
				AV8	Ortho- & Para-Xylene	LT 1.36 0	ug/l	HHV009
				SS12	Zinc	LT 1.80 1	ug/l	HIC009
89270	SW02006	0.2	DTCH	UM21	1,1,1-Trichloroethane	LT 1.00 0	ug/l	HHJ005
				N8	1,1,1-Trichloroethane	LT 7.60 -1	ug/l	HHU013
				UM21	1,1,2-Trichloroethane	LT 1.00 0	ug/l	HHJ005
				N8	1,1,2-Trichloroethane	LT 7.80 -1	ug/l	HHU013
				UM21	1,1-Dichloroethene	LT 1.00 0	ug/l	HHJ005

Note: Results for some parameters may appear in more than one analytical fraction.

Summary of Analytical Results

Surface Water Samples for FALL 89

Sampling Date	Station Number	Sample Depth (cm)	Sample Type	Method	Analytical Parameters	Results	Units	Sample Number
89270	SW02006	0.2	DTCH	N8	1,1-Dichloroethane	LT 1.70 0	ug/l	HHU013
				UM21	1,1-Dichloroethane	LT 1.00 0	ug/l	HHJ005
				N8	1,1-Dichloroethane	LT 7.30 -1	ug/l	HHU013
				UM21	1,2-Dichloroethane	LT 5.00 0	ug/l	HHJ005
				N8	1,2-Dichloroethane	LT 7.60 -1	ug/l	HHU013
				UM21	1,2-Dichloroethane	LT 1.00 0	ug/l	HHJ005
				N8	1,2-Dichloroethane	LT 1.10 0	ug/l	HHU013
				UM21	1,2-Dichloropropane	LT 1.00 0	ug/l	HHJ005
				UM21	1,3-Dichlorobenzene	LT 1.00 0	ug/l	HHJ005
				UM21	1,3-Dichloropropane	LT 4.80 0	ug/l	HHJ005
				UM21	m-Xylene	LT 1.00 0	ug/l	HHJ005
				AV8	m-Xylene	LT 1.32 0	ug/l	HHV013
				UM21	2-Chloroethylvinyl Ether	LT 3.50 0	ug/l	HHJ005
				UM21	Acrylonitrile	LT 8.40 0	ug/l	HHJ005
				KK8	Aldrin	LT 5.00 -2	ug/l	HHO013
				UM25	Aldrin	LT 1.30 1	ug/l	HHH005
				00	ALKALINITY	6.26 4	ug/l	HHW010
				AX8	Arsenic	2.64 0	ug/l	HIB013
				UH11	Atrazine	LT 4.03 0	ug/l	HHG013
				UM25	Atrazine	LT 5.90 0	ug/l	HHH005
				P8	Bicycloheptadiene	LT 5.90 0	ug/l	HHF013
				UM21	Bromodichloromethane	LT 1.00 0	ug/l	HHJ005
				AAA8	Benzothiazole	LT 5.00 0	ug/l	HHC013
				UM21	Vinyl Chloride	LT 1.20 1	ug/l	HHJ005
				UM21	Chloroethane	LT 8.00 0	ug/l	HHJ005
				UM21	Benzene	LT 1.00 0	ug/l	HHJ005
				AV8	Benzene	LT 1.05 0	ug/l	HHV013
				SS12	Calcium	2.14 4	ug/l	HIC013
				UM21	Trichlorofluoromethane	LT 1.00 0	ug/l	HHJ005
				UM21	Carbon Tetrachloride	LT 1.00 0	ug/l	HHJ005
				N8	Carbon Tetrachloride	LT 9.90 -1	ug/l	HHU013
				SS12	Cadmium	LT 6.78 0	ug/l	HIC013
				UM21	Methylene Chloride	LT 1.00 0	ug/l	HHJ005
				N8	Methylene Chloride	LT 7.40 0	ug/l	HHU013

Note: Results for some parameters may appear in more than one analytical fraction.

Summary of Analytical Results

Surface Water Samples for FALL 89

Sampling Date	Station Number	Sample Depth (cm)	Sample Type	Method	Analytical Parameters	Results	Units	Sample Number
89270	SW02006	0.2	DTCH	UM21	Bromomethane	LT 1.40	1 ug/l	HHJ005
				UM21	Chloromethane	LT 1.20	0 ug/l	HHJ005
				UM21	Bromoform	LT 1.10	1 ug/l	HHJ005
				UM21	Chloroform	3.00	0 ug/l	HHJ005
				N8	Chloroform	4.26	0 ug/l	HHU013
				TT09	Chloride	5.20	4 ug/l	HHZ013
				KK8	Hexachlorocyclopentadiene	LT 4.80	-2 ug/l	HHD013
				UM25	Hexachlorocyclopentadiene	LT 5.40	1 ug/l	HHH005
				UM21	Chlorobenzene	LT 1.00	0 ug/l	HHJ005
				N8	Chlorobenzene	LT 8.20	-1 ug/l	HHU013
				KK8	Chlordane	LT 9.50	-2 ug/l	HHD013
				UM25	Chlordane	LT 3.70	1 ug/l	HHH005
				AAA8	p-Chlorophenylmethyl Sulfide	LT 5.69	0 ug/l	HHC013
				UM25	p-Chlorophenylmethyl Sulfide	LT 1.00	1 ug/l	HHH005
				AAA8	p-Chlorophenylmethyl Sulfoxide	LT 1.15	1 ug/l	HHC013
				UM25	p-Chlorophenylmethyl Sulfoxide	LT 1.50	1 ug/l	HHH005
				AAA8	p-Chlorophenylmethyl Sulfone	LT 7.46	0 ug/l	HHC013
				UM25	p-Chlorophenylmethyl Sulfone	LT 5.30	0 ug/l	HHH005
				SS12	Chromium	LT 1.68	1 ug/l	HIC013
				SS12	Copper	LT 1.88	1 ug/l	HIC013
				TF20	Cyanide	LT 5.00	0 ug/l	HHX013
				UM25	Dibromochloropropane	LT 1.20	1 ug/l	HHH005
				AY8	Dibromochloropropane	LT 1.95	-1 ug/l	HHI013
				UM21	Dibromochloromethane	LT 1.00	0 ug/l	HHJ005
				UM21	1,4-Dichlorobenzene	LT 2.00	0 ug/l	HHJ005
				P8	Dicyclopentadiene	LT 5.00	0 ug/l	HHF013
				UM25	Dicyclopentadiene	LT 5.50	0 ug/l	HHH005
				UH11	Vapona	LT 3.84	-1 ug/l	HHG013
				UM25	Vapona	LT 8.50	0 ug/l	HHH005
				AT8	Diisopropylmethyl Phosphonate	LT 3.92	-1 ug/l	HHE013
				UM25	Diisopropylmethyl Phosphonate	LT 2.10	1 ug/l	HHH005
				AAA8	Dithiane	LT 1.34	0 ug/l	HHC013
				UM25	Dithiane	LT 3.30	0 ug/l	HHH005
				KK8	Dieldrin	LT 5.00	-2 ug/l	HHD013

Note: Results for some parameters may appear in more than one analytical fraction.

Summary of Analytical Results

Surface Water Samples for FALL 89

Sampling Date	Station Number	Sample Depth (cm)	Sample Type	Method	Analytical Parameters	Results	Units	Sample Number
89270	SW02006	0.2	DTCH	UM25	Dieldrin	LT 2.60	1 ug/l	HHH005
				AAA8	Dimethyldisulfide	LT 5.50	-1 ug/l	HHC013
				AT8	Dimethylmethyl Phosphate	LT 1.88	-1 ug/l	HHE013
				UM25	Dimethylmethyl Phosphate	LT 1.30	2 ug/l	HHH005
				KK8	Endrin	LT 5.00	-2 ug/l	HHH013
				UM25	Endrin	LT 1.80	1 ug/l	HHH005
				UM21	Ethylbenzene	LT 1.00	0 ug/l	HHJ005
				AV8	Ethylbenzene	LT 1.37	0 ug/l	HHV013
				TT09	Fluoride	1.24	3 ug/l	HHZ013
				CC8	Mercury	2.94	-1 ug/l	HIA013
				KK8	Isodrin	LT 5.10	-2 ug/l	HHH013
				UM25	Isodrin	LT 7.80	0 ug/l	HHH005
				SS12	Potassium	2.83	3 ug/l	HIC013
				UM21	Toluene	LT 1.00	0 ug/l	HHJ005
				AV8	Toluene	LT 1.47	0 ug/l	HHV013
				UM21	Methylethyl Ketone	LT 1.00	1 ug/l	HHJ005
				SS12	Magnesium	1.48	4 ug/l	HIC013
				P8	Methylisobutyl Ketone	LT 4.90	0 ug/l	HHF013
				UM21	Methylisobutyl Ketone	LT 1.40	0 ug/l	HHJ005
				UH11	Malathion	LT 3.73	-1 ug/l	HHG013
				UM25	Malathion	LT 2.10	1 ug/l	HHH005
				SS12	Sodium	7.60	4 ug/l	HIC013
				LL8	Nitrite,Nitrate - Non specific	2.90	2 ug/l	HHY013
				AAA8	1,4-Oxathiane	LT 2.38	0 ug/l	HHC013
				UM25	1,4-Oxathiane	LT 2.70	1 ug/l	HHH005
				SS12	Lead	LT 4.34	1 ug/l	HIC013
				KK8	Dichlorodiphenylethane	LT 5.40	-2 ug/l	HHH013
				UM25	Dichlorodiphenylethane	LT 1.40	1 ug/l	HHH005
				KK8	Dichlorodiphenyltrichloro-ethane	LT 4.90	-2 ug/l	HHH013
				UM25	Dichlorodiphenyltrichloro-ethane	LT 1.80	1 ug/l	HHH005
				UH11	Parathion	LT 6.47	-1 ug/l	HHG013
				UM25	Parathion	LT 3.70	1 ug/l	HHH005

Note: Results for some parameters may appear in more than one analytical fraction.

Summary of Analytical Results

Surface Water Samples for FALL 89

Sampling Date	Station Number	Sample Depth (cm)	Sample Type	Method	Analytical Parameters	Results	Units	Sample Number
89270	SW02006	0.2	DTCH	TT09	Sulfate	9.40	4 ug/l	HHZ013
				UH11	2-Chloro-1(2,4-Dichlorophenyl) Vinyl-diethyl Phosphates	LT 7.87	-1 ug/l	HHG013
				UM25	2-Chloro-1(2,4-Dichlorophenyl) Vinyl-diethyl Phosphates	LT 1.90	1 ug/l	HHH005
				UM21	1,1,2,2-Tetrachloroethane	LT 1.50	0 ug/l	HHJ005
				UM21	Tetrachloroethene	LT 1.00	0 ug/l	HHJ005
				N8	Tetrachloroethene	LT 7.50	-1 ug/l	HHU013
				UM21	Trichloroethene	LT 1.00	0 ug/l	HHJ005
				N8	Trichloroethene	LT 5.60	-1 ug/l	HHU013
				UM21	Ortho- & Para-Xylene	LT 2.00	0 ug/l	HHJ005
				AV8	Ortho- & Para-Xylene	LT 1.36	0 ug/l	HHV013
				SS12	Zinc	LT 1.80	1 ug/l	HIC013
				LL03	Benzo-thiazole	3.55	0 ug/l	RGA009
				LL03	p-Chlorophenylmethyl Sulfide	LT 1.08	0 ug/l	RGA009
				LL03	p-Chlorophenylmethyl Sulfoxide	LT 2.25	0 ug/l	RGA009
				LL03	p-Chlorophenylmethyl Sulfone	LT 2.37	0 ug/l	RGA009
89270	SW02006B	0.0	DTCH	QQ9	Dibromochloropropane	LT 5.00	-3 ug/l	GTC008
				LL03	Dithiane	LT 1.47	0 ug/l	RGA009
				LL03	Dimethyldisulfide	LT 6.92	-1 ug/l	RGA009
				HG9	Mercury	4.90	0 ug/l	QUD008
				LL03	1,4-Oxathiane	LT 8.56	-1 ug/l	RGA009
				N8	1,1,1-Trichloroethane	LT 7.60	-1 ug/l	HHU005
				N8	1,1,2-Trichloroethane	LT 7.80	-1 ug/l	HHU005
				N8	1,1-Dichloroethene	LT 1.70	0 ug/l	HHU005
				N8	1,1-Dichloroethane	LT 7.30	-1 ug/l	HHU005
				N8	1,2-Dichloroethene	LT 7.60	-1 ug/l	HHU005
89268	SW07001	0.2	STSW	N8	1,2-Dichloroethane	LT 1.10	0 ug/l	HHU005
				AV8	m-Xylene	LT 1.32	0 ug/l	HHV005
				KK8	Aldrin	LT 5.00	-2 ug/l	HHH005
				00	ALKALINITY	2.75	5 ug/l	HHW002
				AX8	Arsenic	LT 2.35	0 ug/l	HIB005
				UH11	Atrazine	LT 4.03	0 ug/l	HHG005

Note: Results for some parameters may appear in more than one analytical fraction.

Summary of Analytical Results

Surface Water Samples for FALL 89

Sampling Date	Station Number	Sample Depth (cm)	Sample Type	Method	Analytical Parameters	Results	Units	Sample Number
89268	SW07001	0.2	STSW	P8	Bicycloheptadiene	LT 5.90	0 ug/l	HHF005
				AAA8	Benothiazole	LT 5.00	0 ug/l	HHC005
				AV8	Benzene	LT 1.05	0 ug/l	HHV005
				SS12	Calcium	8.00	4 ug/l	HIC005
				N8	Carbon Tetrachloride	LT 9.90	-1 ug/l	HHU005
				SS12	Cadmium	LT 6.78	0 ug/l	HIC005
				N8	Methylene Chloride	LT 7.40	0 ug/l	HHU005
				N8	Chloroform	LT 5.00	-1 ug/l	HHU005
				TT09	Chloride	5.20	4 ug/l	HHZ005
				KK8	Hexachlorocyclopentadiene	LT 4.80	-2 ug/l	HHD005
				N8	Chlorobenzene	LT 8.20	-1 ug/l	HHU005
				KK8	Chlordane	LT 9.50	-2 ug/l	HHD005
				AAA8	p-Chlorophenylmethyl Sulfide	LT 5.69	0 ug/l	HHC005
				AAA8	p-Chlorophenylmethyl Sulfoxide	LT 1.15	1 ug/l	HHC005
				AAA8	p-Chlorophenylmethyl Sulfone	LT 7.46	0 ug/l	HHC005
				SS12	Chromium	LT 1.68	1 ug/l	HIC005
				SS12	Copper	LT 1.88	1 ug/l	HIC005
				TF20	Cyanide	LT 5.00	0 ug/l	HHX005
				AY8	Dibromochloropropane	LT 1.95	-1 ug/l	HHI005
				P8	Dicyclopentadiene	LT 5.00	0 ug/l	HHF005
				UH11	Vapona	LT 3.84	-1 ug/l	HHG005
				AT8	Diisopropylmethyl Phosphonate	LT 3.92	-1 ug/l	HHE005
				AAA8	Dithiane	LT 1.34	0 ug/l	HHC005
				KK8	Dieldrin	LT 5.00	-2 ug/l	HHD005
				AAA8	Dimethyldisulfide	LT 5.50	-1 ug/l	HHC005
				AT8	Dimethylmethyl Phosphate	LT 1.88	-1 ug/l	HHE005
				KK8	Endrin	LT 5.00	-2 ug/l	HHD005
				AV8	Ethylbenzene	LT 1.37	0 ug/l	HHV005
				TT09	Fluoride	2.14	3 ug/l	HHZ005
				CC8	Mercury	LT 1.00	-1 ug/l	HIA005
				KK8	Isodrin	LT 5.10	-2 ug/l	HHD005
				SS12	Potassium	3.54	3 ug/l	HIC005
				AV8	Toluene	LT 1.47	0 ug/l	HHV005
				SS12	Magnesium	3.42	4 ug/l	HIC005

Note: Results for some parameters may appear in more than one analytical fraction.

Summary of Analytical Results

Surface Water Samples for FALL 89

Sampling Date	Station Number	Sample Depth (cm)	Sample Type	Method	Analytical Parameters	Results	Units	Sample Number
89268	SW07001	0.2	STSW	P8	Methylisobutyl Ketone	LT 4.90	0 ug/l	HHF005
				UH11	Malathion	LT 3.73	-1 ug/l	HHG005
				SS12	Sodium	9.80	4 ug/l	HIC005
				LL8	Nitrite, Nitrate - Non specific	3.70	3 ug/l	HHY005
				AAA8	1,4-Oxathiane	LT 2.38	0 ug/l	HHC005
				SS12	Lead	LT 4.34	1 ug/l	HIC005
				KK8	Dichlorodiphenylethane	LT 5.40	-2 ug/l	HHD005
				KK8	Dichlorodiphenyltrichloroethane	LT 4.90	-2 ug/l	HHD005
				UH11	Parathion	LT 6.47	-1 ug/l	HHG005
				TT09	Sulfate	1.20	5 ug/l	HHZ005
				UH11	2-Chloro-1(2,4-Dichlorophenyl) Vinyl diethyl Phosphates	LT 7.87	-1 ug/l	HHG005
				N8	Tetrachloroethene	LT 7.50	-1 ug/l	HHU005
				N8	Trichloroethene	LT 5.60	-1 ug/l	HHU005
				AV8	Ortho- & Para-Xylene	LT 1.36	0 ug/l	HHV005
				SS12	Zinc	LT 1.80	1 ug/l	HIC005
89268	SW07002	0.5	STSW	N8	1,1,1-Trichloroethane	LT 7.60	-1 ug/l	HHU006
				N8	1,1,2-Trichloroethane	LT 7.80	-1 ug/l	HHU006
				N8	1,1-Dichloroethene	LT 1.70	0 ug/l	HHU006
				N8	1,1-Dichloroethane	LT 7.30	-1 ug/l	HHU006
				N8	1,2-Dichloroethene	LT 7.60	-1 ug/l	HHU006
				N8	1,2-Dichloroethane	LT 1.10	0 ug/l	HHU006
				AV8	m-Xylene	LT 1.32	0 ug/l	HHV006
				KK8	Aldrin	LT 5.00	-2 ug/l	HHD006
				00	ALKALINITY	1.55	5 ug/l	HHW003
				AX8	Arsenic	2.64	0 ug/l	HIB006
				UH11	Atrazine	LT 4.03	0 ug/l	HHG006
				P8	Bicycloheptadiene	LT 5.90	0 ug/l	HHF006
				AAA8	Benzothiazole	LT 5.00	0 ug/l	HHC006
				AV8	Benzene	LT 1.05	0 ug/l	HHV006
				SS12	Calcium	7.61	4 ug/l	HIC006
				N8	Carbon Tetrachloride	LT 9.90	-1 ug/l	HHU006

Note: Results for some parameters may appear in more than one analytical fraction.

Summary of Analytical Results

Surface Water Samples for FALL 89

Sampling Date	Station Number	Sample Depth (cm)	Sample Type	Method	Analytical Parameters	Results	Units	Sample Number
89268	SW07002	0.5	STSW	SS12	Cadmium	LT 6.78	0 ug/l	HIC006
				N8	Methylene Chloride	LT 7.40	0 ug/l	HHU006
				N8	Chloroform	LT 5.00	-1 ug/l	HHU006
				TT09	Chloride	4.40	4 ug/l	HHZ006
				KK8	Hexachlorocyclopentadiene	LT 4.80	-2 ug/l	HHD006
				N8	Chlorobenzene	LT 8.20	-1 ug/l	HHU006
				KK8	Chlordane	LT 9.50	-2 ug/l	HHD006
				AAA8	p-Chlorophenylmethyl Sulfide	LT 5.69	0 ug/l	HHC006
				AAA8	p-Chlorophenylmethyl Sulfoxide	LT 1.15	1 ug/l	HHC006
				AAA8	p-Chlorophenylmethyl Sulfone	LT 7.46	0 ug/l	HHC006
				SS12	Chromium	LT 1.68	1 ug/l	HIC006
				SS12	Copper	LT 1.88	1 ug/l	HIC006
				TF20	Cyanide	LT 5.00	0 ug/l	HHX006
				AY8	Dibromochloropropane	LT 1.95	-1 ug/l	HHI006
				P8	Dicyclopentadiene	LT 5.00	0 ug/l	HHF006
				UH11	Vapona	LT 3.84	-1 ug/l	HHG006
				AT8	Diisopropylmethyl Phosphonate	6.41	-1 ug/l	HHE006
				AAA8	Dithiane	LT 1.34	0 ug/l	HHC006
				KK8	Dieldrin	LT 5.00	-2 ug/l	HHD006
				AAA8	Dimethyldisulfide	LT 5.50	-1 ug/l	HHC006
				AT8	Dimethylmethyl Phosphate	LT 1.88	-1 ug/l	HHE006
				KK8	Endrin	LT 5.00	-2 ug/l	HHD006
				AV8	Ethylbenzene	LT 1.37	0 ug/l	HHV006
				TT09	Fluoride	1.52	3 ug/l	HHZ006
				CC8	Mercury	LT 1.00	-1 ug/l	HIA006
				KK8	Isodrin	LT 5.10	-2 ug/l	HHD006
				SS12	Potassium	2.94	3 ug/l	HIC006
				AV8	Toluene	LT 1.47	0 ug/l	HHV006
				SS12	Magnesium	2.52	4 ug/l	HIC006
				P8	Methylisobutyl Ketone	LT 4.90	0 ug/l	HHF006
				UH11	Malathion	LT 3.73	-1 ug/l	HHG006
				SS12	Sodium	8.80	4 ug/l	HIC006
				LL8	Nitrite,Nitrate - Non specific	4.10	3 ug/l	HHY006
				AAA8	1,4-Oxathiane	LT 2.38	0 ug/l	HHC006

Note: Results for some parameters may appear in more than one analytical fraction.

Summary of Analytical Results

Surface Water Samples for FALL 89

Sampling Date	Station Number	Sample Depth (cm)	Sample Type	Method	Analytical Parameters	Results	Units	Sample Number
89268	SW07002	0.5	STSW	SS12	Lead	LT 4.34	1 ug/l	HIC006
				KK8	Dichlorodiphenylethane	LT 5.40	-2 ug/l	HH0006
				KK8	Dichlorodiphenyltrichloroethane	LT 4.90	-2 ug/l	HH0006
				UH11	Parathion	LT 6.47	-1 ug/l	HHG006
				TT09	Sulfate	9.90	4 ug/l	HHZ006
				UH11	2-Chloro-1(2,4-Dichlorophenyl) Vinyl-diethyl Phosphates	LT 7.87	-1 ug/l	HHG006
				N8	Tetrachloroethene	LT 7.50	-1 ug/l	HHU006
				N8	Trichloroethene	LT 5.60	-1 ug/l	HHU006
				AV8	Ortho- & Para-Xylene	LT 1.36	0 ug/l	HHV006
				SS12	Zinc	LT 1.80	1 ug/l	HIC006
89272	SW08001S	0.2	CREK					
89269	SW08003	0.2	STRM	UM21	1,1,1-Trichloroethane	LT 1.00	0 ug/l	HHJ002
				N8	1,1,1-Trichloroethane	LT 7.60	-1 ug/l	HHU010
				UM21	1,1,2-Trichloroethane	LT 1.00	0 ug/l	HHJ002
				N8	1,1,2-Trichloroethane	LT 7.80	-1 ug/l	HHU010
				UM21	1,1-Dichloroethene	LT 1.00	0 ug/l	HHJ002
				N8	1,1-Dichloroethene	LT 1.70	0 ug/l	HHU010
				UM21	1,1-Dichloroethane	LT 1.00	0 ug/l	HHJ002
				N8	1,1-Dichloroethane	LT 7.30	-1 ug/l	HHU010
				UM21	1,2-Dichloroethene	LT 5.00	0 ug/l	HHJ002
				N8	1,2-Dichloroethene	LT 7.60	-1 ug/l	HHU010
				UM21	1,2-Dichloroethane	LT 1.00	0 ug/l	HHJ002
				N8	1,2-Dichloroethane	LT 1.10	0 ug/l	HHU010
				UM21	1,2-Dichloropropane	LT 1.00	0 ug/l	HHJ002
				UM21	1,3-Dichlorobenzene	LT 1.00	0 ug/l	HHJ002
				UM21	1,3-Dichloropropane	LT 4.80	0 ug/l	HHJ002
				UM21	m-Xylene	LT 1.00	0 ug/l	HHJ002
				AV8	m-Xylene	LT 1.32	0 ug/l	HHV010
				UM21	2-Chloroethylvinyl Ether	LT 3.50	0 ug/l	HHJ002
				UM21	Acrylonitrile	LT 8.40	0 ug/l	HHJ002
				KK8	Aldrin	LT 5.00	-2 ug/l	HH0010
				UM25	Aldrin	LT 1.30	1 ug/l	HHH002

Note: Results for some parameters may appear in more than one analytical fraction.

Summary of Analytical Results

Surface Water Samples for FALL 89

Sampling Date	Station Number	Sample Depth (cm)	Sample Type	Method	Analytical Parameters	Results	Units	Sample Number
89269	SW08003	0.2	STRM	00	ALKALINITY	2.52	5 ug/l	HHW007
				AX8	Arsenic	2.83	0 ug/l	HIB010
				UM11	Atrazine	LT 4.03	0 ug/l	HHG010
				UM25	Atrazine	LT 5.90	0 ug/l	HHH002
				P8	Bicycloheptadiene	LT 5.90	0 ug/l	HHF010
				UM21	Bromodichloromethane	LT 1.00	0 ug/l	HHJ002
				AAA8	Benzothiazole	LT 5.00	0 ug/l	HHC010
				UM21	Vinyl Chloride	LT 1.20	1 ug/l	HHJ002
				UM21	Chloroethane	LT 8.00	0 ug/l	HHJ002
				UM21	Benzene	LT 1.00	0 ug/l	HHJ002
				AV8	Benzene	LT 1.05	0 ug/l	HHV010
				SS12	Calcium	1.13	5 ug/l	HIC010
				UM21	Trichlorofluoromethane	LT 1.00	0 ug/l	HHJ002
				UM21	Carbon Tetrachloride	LT 1.00	0 ug/l	HHJ002
				N8	Carbon Tetrachloride	LT 9.90	-1 ug/l	HHU010
				SS12	Cadmium	LT 6.78	0 ug/l	HIC010
				UM21	Methylene Chloride	LT 1.00	0 ug/l	HHJ002
				N8	Methylene Chloride	LT 7.40	0 ug/l	HHU010
				UM21	Bromomethane	LT 1.40	1 ug/l	HHJ002
				UM21	Chloromethane	LT 1.20	0 ug/l	HHJ002
				UM21	Bromoform	LT 1.10	1 ug/l	HHJ002
				UM21	Chloroform	LT 1.00	0 ug/l	HHJ002
				N8	Chloroform	LT 5.00	-1 ug/l	HHU010
				TT09	Chloride	5.20	4 ug/l	HHZ010
				KK8	Hexachlorocyclopentadiene	LT 4.80	-2 ug/l	HHD010
				UM25	Hexachlorocyclopentadiene	LT 5.40	1 ug/l	HHH002
				UM21	Chlorobenzene	LT 1.00	0 ug/l	HHJ002
				N8	Chlorobenzene	LT 8.20	-1 ug/l	HHU010
				KK8	Chlordane	LT 9.50	-2 ug/l	HHD010
				UM25	Chlordane	LT 3.70	1 ug/l	HHH002
				AAA8	p-Chlorophenylmethyl Sulfide	LT 5.69	0 ug/l	HHC010
				UM25	p-Chlorophenylmethyl Sulfide	LT 1.00	1 ug/l	HHH002
				AAA8	p-Chlorophenylmethyl Sulfoxide	LT 1.15	1 ug/l	HHC010
				UM25	p-Chlorophenylmethyl Sulfoxide	LT 1.50	1 ug/l	HHH002

Note: Results for some parameters may appear in more than one analytical fraction.

Summary of Analytical Results

Surface Water Samples for FALL 89

Sampling Date	Station Number	Sample Depth (cm)	Sample Type - Method	Analytical Parameters	Results	Units	Sample Number
89269	SW08003	0.2	STRM	AAA8 p-Chlorophenylmethyl Sulfone	LT 7.46 0	ug/l	HHC010
				UM25 p-Chlorophenylmethyl Sulfone	LT 5.30 0	ug/l	HHH002
				SS12 Chromium	LT 1.68 1	ug/l	HIC010
				SS12 Copper	LT 1.88 1	ug/l	HIC010
				TF20 Cyanide	LT 5.00 0	ug/l	HHX010
				UM25 Dibromochloropropane	LT 1.20 1	ug/l	HHH002
				AY8 Dibromochloropropane	LT 1.95 -1	ug/l	HHI010
				UM21 Dibromochloromethane	LT 1.00 0	ug/l	HHJ002
				UM21 1,4-Dichlorobenzene	LT 2.00 0	ug/l	HHJ002
				P8 Dicyclopentadiene	LT 5.00 0	ug/l	HHF010
				UM25 Dicyclopentadiene	LT 5.50 0	ug/l	HHH002
				UH11 Vapona	LT 3.84 -1	ug/l	HHG010
				UM25 Vapona	LT 8.50 0	ug/l	HHH002
				AT8 Diisopropylmethyl Phosphonate	LT 3.92 -1	ug/l	HHE010
				UM25 Diisopropylmethyl Phosphonate	LT 2.10 1	ug/l	HHH002
				AAA8 Dithiane	LT 1.34 0	ug/l	HHC010
				UM25 Dithiane	LT 3.30 0	ug/l	HHH002
				KK8 Dieldrin	6.21 -2	ug/l	HHD010
				UM25 Dieldrin	LT 2.60 1	ug/l	HHH002
				AAA8 Dimethyldisulfide	LT 5.50 -1	ug/l	HHC010
				AT8 Dimethylmethyl Phosphate	LT 1.88 -1	ug/l	HHE010
				UM25 Dimethylmethyl Phosphate	LT 1.30 2	ug/l	HHH002
				KK8 Endrin	6.25 -2	ug/l	HHD010
				UM25 Endrin	LT 1.80 1	ug/l	HHH002
				UM21 Ethylbenzene	LT 1.00 0	ug/l	HHJ002
				AV8 Ethylbenzene	LT 1.37 0	ug/l	HHV010
				TT09 Fluoride	1.11 3	ug/l	HHZ010
				CC8 Mercury	LT 1.00 -1	ug/l	HIA010
				KK8 Isodrin	LT 5.10 -2	ug/l	HHD010
				UM25 Isodrin	LT 7.80 0	ug/l	HHH002
				SS12 Potassium	4.35 3	ug/l	HIC010
				UM21 Toluene	LT 1.00 0	ug/l	HHJ002
				AV8 Toluene	LT 1.47 0	ug/l	HHV010
				UM21 Methyl ethyl Ketone	LT 1.00 1	ug/l	HHJ002

Note: Results for some parameters may appear in more than one analytical fraction.

Summary of Analytical Results

Surface Water Samples for FALL 89

Sampling Date	Station Number	Sample Depth (cm)	Sample Type	Method	Analytical Parameters	Results	Units	Sample Number
89269	SW08003	0.2	STRM	SS12	Magnesium	2.37	4 ug/l	HIC010
				P8	Methylisobutyl Ketone	LT 4.90	0 ug/l	HHF010
				UM21	Methylisobutyl Ketone	LT 1.40	0 ug/l	HHJ002
				UH11	Malathion	LT 3.73	-1 ug/l	HHG010
				UM25	Malathion	LT 2.10	1 ug/l	HHH002
				SS12	Sodium	7.60	4 ug/l	HIC010
				LL8	Nitrite,Nitrate - Non specific	1.04	2 ug/l	HHY010
				AAA8	1,4-Oxathiane	LT 2.38	0 ug/l	HHC010
				UM25	1,4-Oxathiane	LT 2.70	1 ug/l	HHH002
				SS12	Lead	LT 4.34	1 ug/l	HIC010
				KK8	Dichlorodiphenylethane	LT 5.40	-2 ug/l	HHD010
				UM25	Dichlorodiphenylethane	LT 1.40	1 ug/l	HHH002
				KK8	Dichlorodiphenyltrichloroethane	LT 4.90	-2 ug/l	HHD010
				UM25	Dichlorodiphenyltrichloroethane	LT 1.80	1 ug/l	HHH002
				UH11	Parathion	LT 6.47	-1 ug/l	HHG010
				UM25	Parathion	LT 3.70	1 ug/l	HHH002
				TT09	Sulfate	1.50	5 ug/l	HHZ010
				UH11	2-Chloro-1(2,4-Dichlorophenyl) Vinyl-diethyl Phosphates	LT 7.87	-1 ug/l	HHG010
				UM25	2-Chloro-1(2,4-Dichlorophenyl) Vinyl-diethyl Phosphates	LT 1.90	1 ug/l	HHH002
				UM21	1,1,2,2-Tetrachloroethane	LT 1.50	0 ug/l	HHJ002
				UM21	Tetrachloroethene	LT 1.00	0 ug/l	HHJ002
				N8	Tetrachloroethene	LT 7.50	-1 ug/l	HHU010
				UM21	Trichloroethene	LT 1.00	0 ug/l	HHJ002
				N8	Trichloroethene	LT 5.60	-1 ug/l	HHU010
				UM21	Ortho- & Para-Xylene	LT 2.00	0 ug/l	HHJ002
				AV8	Ortho- & Para-Xylene	LT 1.36	0 ug/l	HHV010
				SS12	Zinc	LT 1.80	1 ug/l	HIC010
	SW08003B	0.0	STRM	QQ9	Dibromochloropropane	LT 5.00	-3 ug/l	GTC006
				HG9	Mercury	LT 2.70	-2 ug/l	QUD006
	SW08003B	0.5	STRM	LL03	Benzothiazole	LT 1.08	0 ug/l	RGA006

Note: Results for some parameters may appear in more than one analytical fraction.

Summary of Analytical Results

Surface Water Samples for FALL 89

Sampling Date	Station Number	Sample Depth (cm)	Sample Type - Method	Analytical Parameters	Results	Units	Sample Number
89269	SW08003B	0.5	STRM	LL03 p-Chlorophenylmethyl Sulfide	LT 1.08 0	ug/l	RGA006
				LL03 p-Chlorophenylmethyl Sulfoxide	LT 2.25 0	ug/l	RGA006
				LL03 p-Chlorophenylmethyl Sulfone	LT 2.37 0	ug/l	RGA006
				LL03 Dithiane	LT 1.47 0	ug/l	RGA006
				LL03 Dimethyldisulfide	LT 6.92 -1	ug/l	RGA006
				LL03 1,4-Oxathiane	LT 8.56 -1	ug/l	RGA006
89269	SW08003BD	0.0	STRM	QQ9 Dibromochloropropane	LT 5.00 -3	ug/l	GTC007
				HG9 Mercury	LT 2.70 -2	ug/l	QUD007
89269	SW08003BD	0.5	STRM	LL03 Benzothiazole	3.37 0	ug/l	RGA007
				LL03 p-Chlorophenylmethyl Sulfide	LT 1.08 0	ug/l	RGA007
				LL03 p-Chlorophenylmethyl Sulfoxide	LT 2.25 0	ug/l	RGA007
				LL03 p-Chlorophenylmethyl Sulfone	LT 2.37 0	ug/l	RGA007
				LL03 Dithiane	LT 1.47 0	ug/l	RGA007
				LL03 Dimethyldisulfide	LT 6.92 -1	ug/l	RGA007
89269	SW08003D	0.2	STRM	UM21 1,1,1-Trichloroethane	LT 1.00 0	ug/l	HHJ003
				N8 1,1,1-Trichloroethane	LT 7.60 -1	ug/l	HHU011
				UM21 1,1,2-Trichloroethane	LT 1.00 0	ug/l	HHJ003
				N8 1,1,2-Trichloroethane	LT 7.80 -1	ug/l	HHU011
				UM21 1,1-Dichloroethene	LT 1.00 0	ug/l	HHJ003
				N8 1,1-Dichloroethene	LT 1.70 0	ug/l	HHU011
				UM21 1,1-Dichloroethane	LT 1.00 0	ug/l	HHJ003
				N8 1,1-Dichloroethane	LT 7.30 -1	ug/l	HHU011
				UM21 1,2-Dichloroethene	LT 5.00 0	ug/l	HHJ003
				N8 1,2-Dichloroethene	LT 7.60 -1	ug/l	HHU011
				UM21 1,2-Dichloroethane	LT 1.00 0	ug/l	HHJ003
				N8 1,2-Dichloroethane	LT 1.10 0	ug/l	HHU011
				UM21 1,2-Dichloropropane	LT 1.00 0	ug/l	HHJ003
				UM21 1,3-Dichlorobenzene	LT 1.00 0	ug/l	HHJ003
				UM21 1,3-Dichloropropane	LT 4.80 0	ug/l	HHJ003
				UM21 m-Xylene	LT 1.00 0	ug/l	HHJ003
				AV8 m-Xylene	LT 1.32 0	ug/l	HHV011

Note: Results for some parameters may appear in more than one analytical fraction.

Summary of Analytical Results

Surface Water Samples for FALL 89

Sampling Date	Station Number	Sample Depth (cm)	Sample Type	Method	Analytical Parameters	Results	Units	Sample Number
89269	SW08003D	0.2	STRM	UM21	2-Chloroethylvinyl Ether	LT 3.50 0	ug/l	HHJ003
				UM21	Acrylonitrile	LT 8.40 0	ug/l	HHJ003
				KK8	Aldrin	LT 5.00 -2	ug/l	HHH011
				UM25	Aldrin	LT 1.30 1	ug/l	HHH003
				00	ALKALINITY	2.68 5	ug/l	HHW008
				AX8	Arsenic	LT 2.35 0	ug/l	HIB011
				UH11	Atrazine	LT 4.03 0	ug/l	HHG011
				UM25	Atrazine	LT 5.90 0	ug/l	HHH003
				P8	Bicycloheptadiene	LT 5.90 0	ug/l	HHF011
				UM21	Bromodichloromethane	LT 1.00 0	ug/l	HHJ003
				AAA8	Benzothiazole	LT 5.00 0	ug/l	HHC011
				UM21	Vinyl Chloride	LT 1.20 1	ug/l	HHJ003
				UM21	Chloroethane	LT 8.00 0	ug/l	HHJ003
				UM21	Benzene	LT 1.00 0	ug/l	HHJ003
				AV8	Benzene	LT 1.05 0	ug/l	HHV011
				SS12	Calcium	1.19 5	ug/l	HIC011
				UM21	Trichlorofluoromethane	LT 1.00 0	ug/l	HHJ003
				UM21	Carbon Tetrachloride	LT 1.00 0	ug/l	HHJ003
				N8	Carbon Tetrachloride	LT 9.90 -1	ug/l	HHU011
				SS12	Cadmium	LT 6.78 0	ug/l	HIC011
				UM21	Methylene Chloride	LT 1.00 0	ug/l	HHJ003
				N8	Methylene Chloride	LT 7.40 0	ug/l	HHU011
				UM21	Bromomethane	LT 1.40 1	ug/l	HHJ003
				UM21	Chloromethane	LT 1.20 0	ug/l	HHJ003
				UM21	Bromoform	LT 1.10 1	ug/l	HHJ003
				UM21	Chloroform	LT 1.00 0	ug/l	HHJ003
				N8	Chloroform	LT 5.00 -1	ug/l	HHU011
				TT09	Chloride	4.80 4	ug/l	HHZ011
				KK8	Hexachlorocyclopentadiene	LT 4.80 -2	ug/l	HHH011
				UM25	Hexachlorocyclopentadiene	LT 5.40 1	ug/l	HHH003
				UM21	Chlorobenzene	LT 1.00 0	ug/l	HHJ003
				N8	Chlorobenzene	LT 8.20 -1	ug/l	HHU011
				KK8	Chlordane	LT 9.50 -2	ug/l	HHH011
				UM25	Chlordane	LT 3.70 1	ug/l	HHH003

Note: Results for some parameters may appear in more than one analytical fraction.

Summary of Analytical Results

Surface Water Samples for FALL 89

Sampling Date	Station Number	Sample Depth (cm)	Sample Type - Method	Analytical Parameters	Results	Units	Sample Number
89269	SW08003D	0.2	STRM	AAA8 p-Chlorophenylmethyl Sulfide	LT 5.69 0	ug/l	HHC011
				UM25 p-Chlorophenylmethyl Sulfide	LT 1.00 1	ug/l	HHH003
				AAA8 p-Chlorophenylmethyl Sulfoxide	LT 1.15 1	ug/l	HHC011
				UM25 p-Chlorophenylmethyl Sulfoxide	LT 1.50 1	ug/l	HHH003
				AAA8 p-Chlorophenylmethyl Sulfone	LT 7.46 0	ug/l	HHC011
				UM25 p-Chlorophenylmethyl Sulfone	LT 5.30 0	ug/l	HHH003
				SS12 Chromium	LT 1.68 1	ug/l	HIC011
				SS12 Copper	LT 1.88 1	ug/l	HIC011
				TF20 Cyanide	LT 5.00 0	ug/l	HHX011
				UM25 Dibromochloropropane	LT 1.20 1	ug/l	HHH003
				AV8 Dibromochloropropane	LT 1.95 -1	ug/l	HHI011
				UM21 Dibromochloromethane	LT 1.00 0	ug/l	HHJ003
				UM21 1,4-Dichlorobenzene	LT 2.00 0	ug/l	HHJ003
				P8 Dicyclopentadiene	LT 5.00 0	ug/l	HHF011
				UM25 Dicyclopentadiene	LT 5.50 0	ug/l	HHH003
				UH11 Vapona	LT 3.84 -1	ug/l	HHG011
				UM25 Vapona	LT 8.50 0	ug/l	HHH003
				AT8 Diisopropylmethyl Phosphonate	LT 3.92 -1	ug/l	HHE011
				UM25 Diisopropylmethyl Phosphonate	LT 2.10 1	ug/l	HHH003
				AAA8 Dithiane	LT 1.34 0	ug/l	HHC011
				UM25 Dithiane	LT 3.30 0	ug/l	HHH003
				KK8 Dieldrin	LT 5.00 -2	ug/l	HHD011
				UM25 Dieldrin	LT 2.60 1	ug/l	HHH003
				AAA8 Dimethyldisulfide	LT 5.50 -1	ug/l	HHC011
				AT8 Dimethylmethyl Phosphate	LT 1.88 -1	ug/l	HHE011
				UM25 Dimethylmethyl Phosphate	LT 1.30 2	ug/l	HHH003
				KK8 Endrin	LT 5.00 -2	ug/l	HHD011
				UM25 Endrin	LT 1.80 1	ug/l	HHH003
				UM21 Ethylbenzene	LT 1.00 0	ug/l	HHJ003
				AV8 Ethylbenzene	LT 1.37 0	ug/l	HHV011
				TT09 Fluoride	1.10 3	ug/l	HHZ011
				CC8 Mercury	LT 1.00 -1	ug/l	HIA011
				KK8 Isodrin	LT 5.10 -2	ug/l	HHD011
				UM25 Isodrin	LT 7.80 0	ug/l	HHH003

Note: Results for some parameters may appear in more than one analytical fraction.

Summary of Analytical Results

Surface Water Samples for FALL 89

Sampling Date	Station Number	Sample Depth (cm)	Sample Type	Method	Analytical Parameters	Results	Units	Sample Number
89269	SW08003D	0.2	STRM	SS12	Potassium	4.89	3 ug/l	HIC011
				UM21	Toluene	LT 1.00	0 ug/l	HHJ003
				AV8	Toluene	LT 1.47	0 ug/l	HHV011
				UM21	Methylethyl Ketone	LT 1.00	1 ug/l	HHJ003
				SS12	Magnesium	2.47	4 ug/l	HIC011
				P8	Methylisobutyl Ketone	LT 4.90	0 ug/l	HHF011
				UM21	Methylisobutyl Ketone	LT 1.40	0 ug/l	HHJ003
				UH11	Malathion	LT 3.73	-1 ug/l	HHG011
				UM25	Malathion	LT 2.10	1 ug/l	HHH003
				SS12	Sodium	7.90	4 ug/l	HIC011
				LL8	Nitrite,Nitrate - Non specific	1.05	2 ug/l	HHY011
				AAA6	1,4-Oxathiane	LT 2.38	0 ug/l	HHC011
				UM25	1,4-Oxathiane	LT 2.70	1 ug/l	HHH003
				SS12	Lead	LT 4.34	1 ug/l	HIC011
				KK8	Dichlorodiphenylethane	LT 5.40	-2 ug/l	HHD011
				UM25	Dichlorodiphenylethane	LT 1.40	1 ug/l	HHH003
				KK8	Dichlorodiphenyltrichloro-ethane	LT 4.90	-2 ug/l	HHD011
				UM25	Dichlorodiphenyltrichloro-ethane	LT 1.80	1 ug/l	HHH003
				UH11	Parathion	LT 6.47	-1 ug/l	HHG011
				UM25	Parathion	LT 3.70	1 ug/l	HHH003
				TT09	Sulfate	1.40	5 ug/l	HHZ011
				UH11	2-Chloro-1(2,4-Dichlorophenyl) Vinyl-diethyl Phosphates	LT 7.87	-1 ug/l	HHG011
				UM25	2-Chloro-1(2,4-Dichlorophenyl) Vinyl-diethyl Phosphates	LT 1.90	1 ug/l	HHH003
				UM21	1,1,2,2-Tetrachloroethane	LT 1.50	0 ug/l	HHJ003
				UM21	Tetrachloroethene	LT 1.00	0 ug/l	HHJ003
				N8	Tetrachloroethene	LT 7.50	-1 ug/l	HHU011
				UM21	Trichloroethene	LT 1.00	0 ug/l	HHJ003
				N8	Trichloroethene	LT 5.60	-1 ug/l	HHU011
				UM21	Ortho- & Para-Xylene	LT 2.00	0 ug/l	HHJ003
				AV8	Ortho- & Para-Xylene	LT 1.36	0 ug/l	HHV011

Note: Results for some parameters may appear in more than one analytical fraction.

Summary of Analytical Results

Surface Water Samples for FALL 89

Sampling Date	Station Number	Sample Depth (cm)	Sample Type	Method	Analytical Parameters	Results	Units	Sample Number
89269	SW08003D	0.2	STRM	SS12	Zinc	LT 1.80	1 ug/l	HIC011
89272	SW08003S	0.2	CREK					
89272	SW08004S	0.2	CREK					
89270	SW11001	0.0	DTCH	UM21	1,1,1-Trichloroethane	LT 1.00	0 ug/l	HHJ006
				N8	1,1,1-Trichloroethane	LT 7.60	-1 ug/l	HHU014
				UM21	1,1,2-Trichloroethane	LT 1.00	0 ug/l	HHJ006
				N8	1,1,2-Trichloroethane	LT 7.80	-1 ug/l	HHU014
				UM21	1,1-Dichloroethene	LT 1.00	0 ug/l	HHJ006
				N8	1,1-Dichloroethene	LT 1.70	0 ug/l	HHU014
				UM21	1,1-Dichloroethane	LT 1.00	0 ug/l	HHJ006
				N8	1,1-Dichloroethane	LT 7.30	-1 ug/l	HHU014
				UM21	1,2-Dichloroethene	LT 5.00	0 ug/l	HHJ006
				N8	1,2-Dichloroethene	LT 7.60	-1 ug/l	HHU014
				UM21	1,2-Dichloroethane	LT 1.00	0 ug/l	HHJ006
				N8	1,2-Dichloroethane	LT 1.10	0 ug/l	HHU014
				UM21	1,2-Dichloropropane	LT 1.00	0 ug/l	HHJ006
				UM21	1,3-Dichlorobenzene	LT 1.00	0 ug/l	HHJ006
				UM21	1,3-Dichloropropane	LT 4.80	0 ug/l	HHJ006
				UM21	m-Xylene	LT 1.00	0 ug/l	HHJ006
				AV8	m-Xylene	LT 1.32	0 ug/l	HHV014
				UM21	2-Chloroethylvinyl Ether	LT 3.50	0 ug/l	HHJ006
				UM21	Acrylonitrile	LT 8.40	0 ug/l	HHJ006
				KK8	Aldrin	LT 5.00	-2 ug/l	HHO014
				UM25	Aldrin	LT 1.30	1 ug/l	HHH006
				00	ALKALINITY	4.03	4 ug/l	HHW011
				AX8	Arsenic	LT 2.35	0 ug/l	HIB014
				UH11	Atrazine	LT 4.03	0 ug/l	HHG014
				UM25	Atrazine	LT 5.90	0 ug/l	HHH006
				P8	Bicycloheptadiene	LT 5.90	0 ug/l	HHF014
				UM21	Bromodichloromethane	LT 1.00	0 ug/l	HHJ006
				AAAS	Benzothiazole	LT 5.00	0 ug/l	HHC014
				UM21	Vinyl Chloride	LT 1.20	1 ug/l	HHJ006
				UM21	Chloroethane	LT 8.00	0 ug/l	HHJ006
				UM21	Benzene	LT 1.00	0 ug/l	HHJ006

Note: Results for some parameters may appear in more than one analytical fraction.

Summary of Analytical Results

Surface Water Samples for FALL 89

Sampling Date	Station Number	Sample Depth (cm)	Sample Type	Method	Analytical Parameters	Results	Units	Sample Number
89270	SW11001	0.0	DTCH	AV8	Benzene	LT 1.05 0	ug/l	HHV014
				SS12	Calcium	2.24 4	ug/l	HIC014
				UM21	Trichlorofluoromethane	LT 1.00 0	ug/l	HHJ006
				UM21	Carbon Tetrachloride	LT 1.00 0	ug/l	HHJ006
				N8	Carbon Tetrachloride	LT 9.90 -1	ug/l	HHU014
				SS12	Cadmium	LT 6.78 0	ug/l	HIC014
				UM21	Methylene Chloride	LT 1.00 0	ug/l	HHJ006
				N8	Methylene Chloride	LT 7.40 0	ug/l	HHU014
				UM21	Bromomethane	LT 1.40 1	ug/l	HHJ006
				UM21	Chloromethane	LT 1.20 0	ug/l	HHJ006
				UM21	Bromoform	LT 1.10 1	ug/l	HHJ006
				UM21	Chloroform	LT 1.00 0	ug/l	HHJ006
				N8	Chloroform	LT 5.00 -1	ug/l	HHU014
				TT09	Chloride	8.21 3	ug/l	HHZ014
				KK8	Hexachlorocyclopentadiene	LT 4.80 -2	ug/l	HHO014
				UM25	Hexachlorocyclopentadiene	LT 5.40 1	ug/l	HHH006
				UM21	Chlorobenzene	LT 1.00 0	ug/l	HHJ006
				N8	Chlorobenzene	LT 8.20 -1	ug/l	HHU014
				KK8	Chlordane	LT 9.50 -2	ug/l	HHO014
				UM25	Chlordane	LT 3.70 1	ug/l	HHH006
				AAA8	p-Chlorophenylmethyl Sulfide	LT 5.69 0	ug/l	HHC014
				UM25	p-Chlorophenylmethyl Sulfide	LT 1.00 1	ug/l	HHH006
				AAA8	p-Chlorophenylmethyl Sulfoxide	LT 1.15 1	ug/l	HHC014
				UM25	p-Chlorophenylmethyl Sulfoxide	LT 1.50 1	ug/l	HHH006
				AAA8	p-Chlorophenylmethyl Sulfone	LT 7.46 0	ug/l	HHC014
				UM25	p-Chlorophenylmethyl Sulfone	LT 5.30 0	ug/l	HHH006
				SS12	Chromium	LT 1.68 1	ug/l	HIC014
				SS12	Copper	LT 1.88 1	ug/l	HIC014
				TF20	Cyanide	LT 5.00 0	ug/l	HHX014
				UM25	Dibromochloropropane	LT 1.20 1	ug/l	HHH006
				AY8	Dibromochloropropane	LT 1.95 -1	ug/l	HHI014
				UM21	Dibromochloromethane	LT 1.00 0	ug/l	HHJ006
				UM21	1,4-Dichlorobenzene	LT 2.00 0	ug/l	HHJ006
				P8	Dicyclopentadiene	LT 5.00 0	ug/l	HHF014

Note: Results for some parameters may appear in more than one analytical fraction.

Summary of Analytical Results

Surface Water Samples for FALL 89

Sampling Date	Station Number	Sample Depth (cm)	Sample Type	Method	Analytical Parameters	Results	Units	Sample Number
89270	SW11001	0.0	DTCH	UM25	Dicyclopentadiene	LT 5.50 0	ug/l	HHH006
				UH11	Vapona	LT 3.84 -1	ug/l	HHG014
				UM25	Vapona	LT 8.50 0	ug/l	HHH006
				AT8	Diisopropylmethyl Phosphonate	LT 3.92 -1	ug/l	HHE014
				UM25	Diisopropylmethyl Phosphonate	LT 2.10 1	ug/l	HHH006
				AAA8	Dithiane	LT 1.34 0	ug/l	HHC014
				UM25	Dithiane	LT 3.30 0	ug/l	HHH006
				KK8	Dieldrin	LT 5.00 -2	ug/l	HHD014
				UM25	Dieldrin	LT 2.60 1	ug/l	HHH006
				AAA8	Dimethyldisulfide	LT 5.50 -1	ug/l	HHC014
				AT8	Dimethylmethyl Phosphate	LT 1.88 -1	ug/l	HHE014
				UM25	Dimethylmethyl Phosphate	LT 1.30 2	ug/l	HHH006
				KK8	Endrin	LT 5.00 -2	ug/l	HHD014
				UM25	Endrin	LT 1.80 1	ug/l	HHH006
				UM21	Ethylbenzene	LT 1.00 0	ug/l	HHJ006
				AV8	Ethylbenzene	LT 1.37 0	ug/l	HHV014
				TT09	Fluoride	9.43 2	ug/l	HHZ014
				CC8	Mercury	LT 1.00 -1	ug/l	HIA014
				KK8	Isodrin	LT 5.10 -2	ug/l	HHD014
				UM25	Isodrin	LT 7.80 0	ug/l	HHH006
				SS12	Potassium	3.76 3	ug/l	HIC014
				UM21	Toluene	LT 1.00 0	ug/l	HHJ006
				AV8	Toluene	LT 1.47 0	ug/l	HHV014
				UM21	Methylethyl Ketone	LT 1.00 1	ug/l	HHJ006
				SS12	Magnesium	3.51 3	ug/l	HIC014
				P8	Methylisobutyl Ketone	LT 4.90 0	ug/l	HHF014
				UM21	Methylisobutyl Ketone	LT 1.40 0	ug/l	HHJ006
				UH11	Malathion	LT 3.73 -1	ug/l	HHG014
				UM25	Malathion	LT 2.10 1	ug/l	HHH006
				SS12	Sodium	1.11 4	ug/l	HIC014
				LL8	Nitrite,Nitrate - Non specific	2.80 2	ug/l	HHY014
				AAA8	1,4-Oxathiane	LT 2.38 0	ug/l	HHC014
				UM25	1,4-Oxathiane	LT 2.70 1	ug/l	HHH006
				SS12	Lead	LT 4.34 1	ug/l	HIC014

Note: Results for some parameters may appear in more than one analytical fraction.

Summary of Analytical Results

Surface Water Samples for FALL 89

Sampling Date	Station Number	Sample Depth (cm)	Sample Type	Method	Analytical Parameters	Results	Units	Sample Number
89270	SW11001	0.0	DTCH	KK8	Dichlorodiphenylethane	LT 5.40 -2	ug/l	HHD014
				UM25	Dichlorodiphenylethane	LT 1.40 1	ug/l	HHH006
				KK8	Dichlorodiphenyltrichloroethane	LT 4.90 -2	ug/l	HHD014
				UM25	Dichlorodiphenyltrichloroethane	LT 1.80 1	ug/l	HHH006
				UH11	Parathion	LT 6.47 -1	ug/l	HHG014
				UM25	Parathion	LT 3.70 1	ug/l	HHH006
				TT09	Sulfate	2.40 4	ug/l	HHZ014
				UH11	2-Chloro-1(2,4-Dichlorophenyl) Vinyl-diethyl Phosphates	LT 7.87 -1	ug/l	HHG014
				UM25	2-Chloro-1(2,4-Dichlorophenyl) Vinyl-diethyl Phosphates	LT 1.90 1	ug/l	HHH006
				UM21	1,1,2,2-Tetrachloroethane	LT 1.50 0	ug/l	HHJ006
				UM21	Tetrachloroethene	LT 1.00 0	ug/l	HHJ006
				N8	Tetrachloroethene	LT 7.50 -1	ug/l	HHU014
				UM21	Trichloroethene	LT 1.00 0	ug/l	HHJ006
				N8	Trichloroethene	LT 5.60 -1	ug/l	HHU014
				UM21	Ortho- & Para-Xylene	LT 2.00 0	ug/l	HHJ006
				AV8	Ortho- & Para-Xylene	LT 1.36 -0	ug/l	HHV014
				SS12	Zinc	LT 1.80 1	ug/l	HIC014
89270	SW11001B	0.0	DTCH	LL03	Benzothiazole	LT 1.08 0	ug/l	RGA008
				LL03	p-Chlorophenylmethyl Sulfide	LT 1.08 0	ug/l	RGA008
				LL03	p-Chlorophenylmethyl Sulfoxide	LT 2.25 0	ug/l	RGA008
				LL03	p-Chlorophenylmethyl Sulfone	LT 2.37 0	ug/l	RGA008
				QQ9	Dibromochloropropane	LT 5.00 -3	ug/l	GTC009
				LL03	Dithiane	LT 1.47 0	ug/l	RGA008
				LL03	Dimethyldisulfide	LT 6.92 -1	ug/l	RGA008
				HG9	Mercury	LT 2.70 -2	ug/l	QUD009
				LL03	1,4-Oxathiane	LT 8.56 -1	ug/l	RGA008
89270	SW11002	0.1	DTCH	UM21	1,1,1-Trichloroethane	LT 1.00 0	ug/l	HHJ007
				N8	1,1,1-Trichloroethane	LT 7.60 -1	ug/l	HHU015
				UM21	1,1,2-Trichloroethane	LT 1.00 0	ug/l	HHJ007
				N8	1,1,2-Trichloroethane	LT 7.80 -1	ug/l	HHU015

Note: Results for some parameters may appear in more than one analytical fraction.

Summary of Analytical Results

Surface Water Samples for FALL 89

Sampling Date	Station Number	Sample Depth (cm)	Sample Type	Method	Analytical Parameters	Results	Units	Sample Number
89270	SW11002	0.1	DTCH	UM21	1,1-Dichloroethene	LT 1.00 0	ug/l	HHJ007
				N8	1,1-Dichloroethene	LT 1.70 0	ug/l	HHU015
				UM21	1,1-Dichloroethane	LT 1.00 0	ug/l	HHJ007
				N8	1,1-Dichloroethane	LT 7.30 -1	ug/l	HHU015
				UM21	1,2-Dichloroethene	LT 5.00 0	ug/l	HHJ007
				N8	1,2-Dichloroethene	LT 7.60 -1	ug/l	HHU015
				UM21	1,2-Dichloroethane	LT 1.00 0	ug/l	HHJ007
				N8	1,2-Dichloroethane	LT 1.10 0	ug/l	HHU015
				UM21	1,2-Dichloropropane	LT 1.00 0	ug/l	HHJ007
				UM21	1,3-Dichlorobenzene	LT 1.00 0	ug/l	HHJ007
				UM21	1,3-Dichloropropane	LT 4.80 0	ug/l	HHJ007
				UM21	m-Xylene	LT 1.00 0	ug/l	HHJ007
				AV8	m-Xylene	LT 1.32 0	ug/l	HHV015
				UM21	2-Chloroethylvinyl Ether	LT 3.50 0	ug/l	HHJ007
				UM21	Acrylonitrile	LT 8.40 0	ug/l	HHJ007
				KK8	Aldrin	LT 5.00 -2	ug/l	HHO015
				UM25	Aldrin	LT 1.30 1	ug/l	HHH007
				00	ALKALINITY	3.38 4	ug/l	HHW012
				AX8	Arsenic	LT 2.35 0	ug/l	HIB015
				UH11	Atrazine	LT 4.03 0	ug/l	HHG015
				UM25	Atrazine	LT 5.90 0	ug/l	HHH007
				P8	Bicycloheptadiene	LT 5.90 0	ug/l	HHF015
				UM21	Bromodichloromethane	LT 1.00 0	ug/l	HHJ007
				AAA8	Benzothiazole	LT 5.00 0	ug/l	HHC015
				UM21	Vinyl Chloride	LT 1.20 1	ug/l	HHJ007
				UM21	Chloroethane	LT 8.00 0	ug/l	HHJ007
				UM21	Benzene	LT 1.00 0	ug/l	HHJ007
				AV8	Benzene	LT 1.05 0	ug/l	HHV015
				SS12	Calcium	2.29 4	ug/l	HIC015
				UM21	Trichlorofluoromethane	LT 1.00 0	ug/l	HHJ007
				UM21	Carbon Tetrachloride	LT 1.00 0	ug/l	HHJ007
				N8	Carbon Tetrachloride	LT 9.90 -1	ug/l	HHU015
				SS12	Cadmium	LT 6.78 0	ug/l	HIC015
				UM21	Methylene Chloride	LT 1.00 0	ug/l	HHJ007

Note: Results for some parameters may appear in more than one analytical fraction.

Summary of Analytical Results

Surface Water Samples for FALL 89

Sampling Date	Station Number	Sample Depth (cm)	Sample Type	Method	Analytical Parameters	Results	Units	Sample Number
89270	SW11002	0.1	DTCH	N8	Methylene Chloride	LT 7.40 0	ug/l	HHU015
				UM21	Bromomethane	LT 1.40 1	ug/l	HHJ007
				UM21	Chloromethane	LT 1.20 0	ug/l	HHJ007
				UM21	Bromoform	LT 1.10 1	ug/l	HHJ007
				UM21	Chloroform	LT 1.00 0	ug/l	HHJ007
				N8	Chloroform	LT 5.00 -1	ug/l	HHU015
				TT09	Chloride	2.10 4	ug/l	HHZ015
				KK8	Hexachlorocyclopentadiene	LT 4.80 -2	ug/l	HHD015
				UM25	Hexachlorocyclopentadiene	LT 5.40 1	ug/l	HHH007
				UM21	Chlorobenzene	LT 1.00 0	ug/l	HHJ007
				N8	Chlorobenzene	LT 8.20 -1	ug/l	HHU015
				KK8	Chlordane	LT 9.50 -2	ug/l	HHD015
				UM25	Chlordane	LT 3.70 1	ug/l	HHH007
				AAAS	p-Chlorophenylmethyl Sulfide	LT 5.69 0	ug/l	HHC015
				UM25	p-Chlorophenylmethyl Sulfide	LT 1.00 1	ug/l	HHH007
				AAAS	p-Chlorophenylmethyl Sulfoxide	LT 1.15 1	ug/l	HHC015
				UM25	p-Chlorophenylmethyl Sulfoxide	LT 1.50 1	ug/l	HHH007
				AAAS	p-Chlorophenylmethyl Sulfone	LT 7.46 0	ug/l	HHC015
				UM25	p-Chlorophenylmethyl Sulfone	LT 5.30 0	ug/l	HHH007
				SS12	Chromium	LT 1.68 1	ug/l	HIC015
				SS12	Copper	LT 1.88 1	ug/l	HIC015
				TF20	Cyanide	LT 5.00 0	ug/l	HHX015
				UM25	Dibromochloropropane	LT 1.20 1	ug/l	HHH007
				AY8	Dibromochloropropane	LT 1.95 -1	ug/l	HHI015
				UM21	Dibromochloromethane	LT 1.00 0	ug/l	HHJ007
				UM21	1,4-Dichlorobenzene	LT 2.00 0	ug/l	HHJ007
				P8	Dicyclopentadiene	LT 5.00 0	ug/l	HHF015
				UM25	Dicyclopentadiene	LT 5.50 0	ug/l	HHH007
				UH11	Vapona	LT 3.84 -1	ug/l	HHG015
				UM25	Vapona	LT 8.50 0	ug/l	HHH007
				AT8	Diisopropylmethyl Phosphonate	LT 3.92 -1	ug/l	HHE015
				UM25	Diisopropylmethyl Phosphonate	LT 2.10 1	ug/l	HHH007
				AAAS	Dithiane	LT 1.34 0	ug/l	HHC015
				UM25	Dithiane	LT 3.30 0	ug/l	HHH007

Note: Results for some parameters may appear in more than one analytical fraction.

Summary of Analytical Results

Surface Water Samples for FALL 89

Sampling Date	Station Number	Sample Depth (cm)	Sample Type	Method	Analytical Parameters	Results	Units	Sample Number
89270	SW11002	0.1	DTCH	KK8	Dieldrin	LT 5.00 -2	ug/l	HHD015
				UM25	Dieldrin	LT 2.60 1	ug/l	HHH007
				AAA8	Dimethyldisulfide	LT 5.50 -1	ug/l	HHC015
				AT8	Dimethylmethyl Phosphate	LT 1.88 -1	ug/l	HHE015
				UM25	Dimethylmethyl Phosphate	LT 1.30 2	ug/l	HHH007
				KK8	Endrin	LT 5.00 -2	ug/l	HHD015
				UM25	Endrin	LT 1.80 1	ug/l	HHH007
				UM21	Ethylbenzene	LT 1.00 0	ug/l	HHJ007
				AV8	Ethylbenzene	LT 1.37 0	ug/l	HHV015
				TT09	Fluoride	8.83 2	ug/l	HHZ015
				CC8	Mercury	LT 1.00 -1	ug/l	HIA015
				KK8	Isodrin	LT 5.10 -2	ug/l	HHD015
				UM25	Isodrin	LT 7.80 0	ug/l	HHH007
				SS12	Potassium	3.30 3	ug/l	HIC015
				UM21	Toluene	LT 1.00 0	ug/l	HHJ007
				AV8	Toluene	LT 1.47 0	ug/l	HHV015
				UM21	Methylethyl Ketone	LT 1.00 1	ug/l	HHJ007
				SS12	Magnesium	5.11 3	ug/l	HIC015
				P8	Methylisobutyl Ketone	LT 4.90 0	ug/l	HHF015
				UM21	Methylisobutyl Ketone	LT 1.40 0	ug/l	HHJ007
				UH11	Malathion	LT 3.73 -1	ug/l	HHG015
				UM25	Malathion	LT 2.10 1	ug/l	HHH007
				SS12	Sodium	1.79 4	ug/l	HIC015
				LL8	Nitrite,Nitrate - Non specific	1.80 3	ug/l	HHY015
				AAA8	1,4-Oxathiane	LT 2.38 0	ug/l	HHC015
				UM25	1,4-Oxathiane	LT 2.70 1	ug/l	HHH007
				SS12	Lead	LT 4.34 1	ug/l	HIC015
				KK8	Dichlorodiphenylethane	LT 5.40 -2	ug/l	HHD015
				UM25	Dichlorodiphenylethane	LT 1.40 1	ug/l	HHH007
				KK8	Dichlorodiphenyltrichloro-ethane	LT 4.90 -2	ug/l	HHD015
				UM25	Dichlorodiphenyltrichloro-ethane	LT 1.80 1	ug/l	HHH007
				UH11	Parathion	LT 6.47 -1	ug/l	HHG015

Note: Results for some parameters may appear in more than one analytical fraction.

Summary of Analytical Results

Surface Water Samples for FALL 89

Sampling Date	Station Number	Sample Depth (cm)	Sample Type	Method	Analytical Parameters	Results	Units	Sample Number
89270	SW11002	0.1	DTCH	UM25	Parathion	LT 3.70	1 ug/l	HHH007
				TT09	Sulfate	3.20	4 ug/l	HHZ015
				UH11	2-Chloro-1(2,4-Dichlorophenyl) Vinyl-diethyl Phosphates	LT 7.87	-1 ug/l	HHG015
				UM25	2-Chloro-1(2,4-Dichlorophenyl) Vinyl-diethyl Phosphates	LT 1.90	1 ug/l	HHH007
				UM21	1,1,2,2-Tetrachloroethane	LT 1.50	0 ug/l	HHJ007
				UM21	Tetrachloroethene	LT 1.00	0 ug/l	HHJ007
				N8	Tetrachloroethene	LT 7.50	-1 ug/l	HHU015
				UM21	Trichloroethene	LT 1.00	0 ug/l	HHJ007
				N8	Trichloroethene	LT 5.60	-1 ug/l	HHU015
				UM21	Ortho- & Para-Xylene	LT 2.00	0 ug/l	HHJ007
				AV8	Ortho- & Para-Xylene	LT 1.36	0 ug/l	HHV015
				SS12	Zinc	LT 1.80	-1 ug/l	HIC015
89268	SW12001	0.2	DTCH	N8	1,1,1-Trichloroethane	LT 7.60	-1 ug/l	HHU007
				N8	1,1,2-Trichloroethane	LT 7.80	-1 ug/l	HHU007
				N8	1,1-Dichloroethene	LT 1.70	0 ug/l	HHU007
				N8	1,1-Dichloroethane	LT 7.30	-1 ug/l	HHU007
				N8	1,2-Dichloroethene	LT 7.60	-1 ug/l	HHU007
				N8	1,2-Dichloroethane	LT 1.10	0 ug/l	HHU007
				AV8	m-Xylene	LT 1.32	0 ug/l	HHV007
				KK8	Aldrin	LT 5.00	-2 ug/l	HHD007
				00	ALKALINITY	1.50	5 ug/l	HHW004
				AX8	Arsenic	LT 2.35	0 ug/l	HIB007
				UH11	Atrazine	LT 4.03	0 ug/l	HHG007
				P8	Bicycloheptadiene	LT 5.90	0 ug/l	HHF007
				AAA8	Benzothiazole	LT 5.00	0 ug/l	HHC007
				AV8	Benzene	LT 1.05	0 ug/l	HHV007
				SS12	Calcium	8.03	4 ug/l	HIC007
				N8	Carbon Tetrachloride	LT 9.90	-1 ug/l	HHU007
				SS12	Cadmium	LT 6.78	0 ug/l	HIC007
				N8	Methylene Chloride	LT 7.40	0 ug/l	HHU007
				N8	Chloroform	LT 5.00	-1 ug/l	HHU007
				TT09	Chloride	4.70	4 ug/l	HHZ007

Note: Results for some parameters may appear in more than one analytical fraction.

Summary of Analytical Results

Surface Water Samples for FALL 89

Sampling Date	Station Number	Sample Depth (cm)	Sample Type	Method	Analytical Parameters	Results	Units	Sample Number
89268	SW12001	0.2	DTCH	KK8	Hexachlorocyclopentadiene	LT 4.80 -2	ug/l	HHD007
				N8	Chlorobenzene	LT 8.20 -1	ug/l	HHU007
				KK8	Chlordane	LT 9.50 -2	ug/l	HHD007
				AAA8	p-Chlorophenylmethyl Sulfide	LT 5.69 0	ug/l	HHC007
				AAA8	p-Chlorophenylmethyl Sulfoxide	LT 1.15 1	ug/l	HHC007
				AAA8	p-Chlorophenylmethyl Sulfone	LT 7.46 0	ug/l	HHC007
				SS12	Chromium	LT 1.68 1	ug/l	HIC007
				SS12	Copper	LT 1.88 1	ug/l	HIC007
				TF20	Cyanide	LT 5.00 0	ug/l	HHX007
				AY8	Dibromochloropropane	LT 1.95 -1	ug/l	HHI007
				P8	Dicyclopentadiene	LT 5.00 0	ug/l	HHF007
				UH11	Vapona	LT 3.84 -1	ug/l	HHG007
				AT8	Diisopropylmethyl Phosphonate	LT 3.92 -1	ug/l	HHE007
				AAA8	Dithiane	LT 1.34 0	ug/l	HHC007
				KK8	Dieldrin	LT 5.00 -2	ug/l	HHD007
				AAA8	Dimethyldisulfide	LT 5.50 -1	ug/l	HHC007
				AT8	Dimethylmethyl Phosphate	LT 1.88 -1	ug/l	HHE007
				KK8	Endrin	LT 5.00 -2	ug/l	HHD007
				AV8	Ethylbenzene	LT 1.37 0	ug/l	HHV007
				TT09	Fluoride	1.43 3	ug/l	HHZ007
				CC8	Mercury	LT 1.00 -1	ug/l	HIA007
				KK8	Isodrin	LT 5.10 -2	ug/l	HHD007
				SS12	Potassium	3.57 3	ug/l	HIC007
				AV8	Toluene	LT 1.47 0	ug/l	HHV007
				SS12	Magnesium	2.55 4	ug/l	HIC007
				P8	Methylisobutyl Ketone	LT 4.90 0	ug/l	HHF007
				UH11	Malathion	LT 3.73 -1	ug/l	HHG007
				SS12	Sodium	9.30 4	ug/l	HIC007
				LL8	Nitrite,Nitrate - Non specific	4.30 3	ug/l	HHY007
				AAA8	1,4-Oxathiane	LT 2.38 0	ug/l	HHC007
				SS12	Lead	LT 4.34 1	ug/l	HIC007
				KK8	Dichlorodiphenylethane	LT 5.40 -2	ug/l	HHD007
				KK8	Dichlorodiphenyltrichloro-ethane	LT 4.90 -2	ug/l	HHD007

Note: Results for some parameters may appear in more than one analytical fraction.

Summary of Analytical Results

Surface Water Samples for FALL 89

Sampling Date	Station Number	Sample Depth (cm)	Sample Type	Method	Analytical Parameters	Results	Units	Sample Number
89268	SW12001	0.2	DTCH	UH11	Parathion	LT 6.47 -1	ug/l	HHG007
				TT09	Sulfate	1.20 5	ug/l	HHZ007
				UH11	2-Chloro-1(2,4-Dichlorophenyl) Vinyl-diethyl Phosphates	LT 7.87 -1	ug/l	HHG007
				N8	Tetrachloroethene	LT 7.50 -1	ug/l	HHU007
				N8	Trichloroethene	LT 5.60 -1	ug/l	HHU007
				AV8	Ortho- & Para-Xylene	LT 1.36 0	ug/l	HHV007
				SS12	Zinc	LT 1.80 1	ug/l	HIC007
89268	SW12004	0.2	STSW	N8	1,1,1-Trichloroethane	LT 7.60 -1	ug/l	HHU008
				N8	1,1,2-Trichloroethane	LT 7.80 -1	ug/l	HHU008
				N8	1,1-Dichloroethene	LT 1.70 0	ug/l	HHU008
				N8	1,1-Dichloroethane	LT 7.30 -1	ug/l	HHU008
				N8	1,2-Dichloroethene	LT 7.60 -1	ug/l	HHU008
				N8	1,2-Dichloroethane	LT 1.10 0	ug/l	HHU008
				AV8	m-Xylene	LT 1.32 0	ug/l	HHV008
				KK8	Aldrin	LT 5.00 -2	ug/l	HHD008
				00	ALKALINITY	5.22 4	ug/l	HHW005
				AX8	Arsenic	LT 2.35 0	ug/l	HIB008
				UH11	Atrazine	4.28 0	ug/l	HHG008
				P8	Bicycloheptadiene	LT 5.90 0	ug/l	HHF008
				AAA8	Benzothiazole	LT 5.00 0	ug/l	HHC008
				AV8	Benzene	LT 1.05 0	ug/l	HHV008
				SS12	Calcium	3.12 4	ug/l	HIC008
				N8	Carbon Tetrachloride	LT 9.90 -1	ug/l	HHU008
				SS12	Cadmium	LT 6.78 0	ug/l	HIC008
				N8	Methylene Chloride	LT 7.40 0	ug/l	HHU008
				N8	Chloroform	LT 5.00 -1	ug/l	HHU008
				TT09	Chloride	1.80 4	ug/l	HHZ008
				KK8	Hexachlorocyclopentadiene	LT 4.80 -2	ug/l	HHD008
				N8	Chlorobenzene	LT 8.20 -1	ug/l	HHU008
				KK8	Chlordane	LT 9.50 -2	ug/l	HHD008
				AAA8	p-Chlorophenylmethyl Sulfide	LT 5.69 0	ug/l	HHC008
				AAA8	p-Chlorophenylmethyl Sulfoxide	LT 1.15 1	ug/l	HHC008

Note: Results for some parameters may appear in more than one analytical fraction.

Summary of Analytical Results

Surface Water Samples for FALL 89

Sampling Date	Station Number	Sample Depth (cm)	Sample Type	Method	Analytical Parameters	Results	Units	Sample Number
89268	SW12004	0.2	STSW	AAA8	p-Chlorophenylmethyl Sulfone	LT 7.46 0	ug/l	HHC008
				SS12	Chromium	LT 1.68 1	ug/l	HIC008
				SS12	Copper	LT 1.88 1	ug/l	HIC008
				TF20	Cyanide	LT 5.00 0	ug/l	HHX008
				AY8	Dibromochloropropane	LT 1.95 -1	ug/l	HHI008
				P8	Dicyclopentadiene	LT 5.00 0	ug/l	HHF008
				UH11	Vapona	7.03 -1	ug/l	HHG008
				AT8	Diisopropylmethyl Phosphonate	LT 3.92 -1	ug/l	HHE008
				AAA8	Dithiane	LT 1.34 0	ug/l	HHC008
				KK8	Dieldrin	LT 5.00 -2	ug/l	HHD008
				AAA8	Dimethyldisulfide	LT 5.50 -1	ug/l	HHC008
				AT8	Dimethylmethyl Phosphate	LT 1.88 -1	ug/l	HHE008
				KK8	Endrin	LT 5.00 -2	ug/l	HHD008
				AV8	Ethylbenzene	LT 1.37 0	ug/l	HHV008
				TT09	Fluoride	1.81 3	ug/l	HHZ008
				CC8	Mercury	LT 1.00 -1	ug/l	HIA008
				KK8	Isodrin	LT 5.10 -2	ug/l	HHD008
				SS12	Potassium	8.57 3	ug/l	HIC008
				AV8	Toluene	LT 1.47 0	ug/l	HHV008
				SS12	Magnesium	6.03 3	ug/l	HIC008
				P8	Methylisobutyl Ketone	LT 4.90 0	ug/l	HHF008
				UH11	Malathion	LT 3.73 -1	ug/l	HHG008
				SS12	Sodium	1.61 4	ug/l	HIC008
				LL8	Nitrite,Nitrate - Non specific	2.30 2	ug/l	HHY008
				AAA8	1,4-Oxathiane	LT 2.38 0	ug/l	HHC008
				SS12	Lead	LT 4.34 1	ug/l	HIC008
				KK8	Dichlorodiphenylethane	LT 5.40 -2	ug/l	HHD008
				KK8	Dichlorodiphenyltrichloro-ethane	LT 4.90 -2	ug/l	HHD008
				UH11	Parathion	LT 6.47 -1	ug/l	HHG008
				TT09	Sulfate	5.00 4	ug/l	HHZ008
				UH11	2-Chloro-1(2,4-Dichlorophenyl) Vinyl-diethyl Phosphates	LT 7.87 -1	ug/l	HHG008
				N8	Tetrachloroethene	LT 7.50 -1	ug/l	HHU008

Note: Results for some parameters may appear in more than one analytical fraction.

Summary of Analytical Results

Surface Water Samples for FALL 89

Sampling Date	Station Number	Sample Depth (cm)	Sample Type	Method	Analytical Parameters	Results	Units	Sample Number
89268	SW12004	0.2	STSW	N8	Trichloroethene	LT 5.60 -1	ug/l	HHU008
				AV8	Ortho- & Para-Xylene	LT 1.36 0	ug/l	HHV008
				SS12	Zinc	LT 1.80 1	ug/l	HIC008
89269	SW12005	0.2	DTCH	N8	1,1,1-Trichloroethane	LT 7.60 -1	ug/l	HHU012
				N8	1,1,2-Trichloroethane	LT 7.80 -1	ug/l	HHU012
				N8	1,1-Dichloroethene	LT 1.70 0	ug/l	HHU012
				N8	1,1-Dichloroethane	LT 7.30 -1	ug/l	HHU012
				N8	1,2-Dichloroethene	LT 7.60 -1	ug/l	HHU012
				N8	1,2-Dichloroethane	LT 1.10 0	ug/l	HHU012
				AV8	m-Xylene	LT 1.32 0	ug/l	HHV012
				KK8	Aldrin	LT 5.00 -2	ug/l	HHD012
				00	ALKALINITY	2.32 5	ug/l	HHW009
				AX8	Arsenic	2.43 0	ug/l	HIB012
				UH11	Atrazine	LT 4.03 0	ug/l	HHG012
				P8	Bicycloheptadiene	LT 5.90 0	ug/l	HHF012
				AAA8	Benzothiazole	LT 5.00 0	ug/l	HHC012
				AV8	Benzene	LT 1.05 0	ug/l	HHV012
				SS12	Calcium	7.95 4	ug/l	HIC012
				N8	Carbon Tetrachloride	LT 9.90 -1	ug/l	HHU012
				SS12	Cadmium	LT 6.78 0	ug/l	HIC012
				N8	Methylene Chloride	LT 7.40 0	ug/l	HHU012
				N8	Chloroform	LT 5.00 -1	ug/l	HHU012
				TT09	Chloride	4.30 4	ug/l	HHZ012
				KK8	Hexachlorocyclopentadiene	LT 4.80 -2	ug/l	HHD012
				N8	Chlorobenzene	LT 8.20 -1	ug/l	HHU012
				KK8	Chlordane	LT 9.50 -2	ug/l	HHD012
				AAA8	p-Chlorophenylmethyl Sulfide	LT 5.69 0	ug/l	HHC012
				AAA8	p-Chlorophenylmethyl Sulfoxide	LT 1.15 1	ug/l	HHC012
				AAA8	p-Chlorophenylmethyl Sulfone	LT 7.46 0	ug/l	HHC012
				SS12	Chromium	LT 1.68 1	ug/l	HIC012
				SS12	Copper	LT 1.88 1	ug/l	HIC012
				TF20	Cyanide	LT 5.00 0	ug/l	HHX012
				AY8	Dibromochloropropane	LT 1.95 -1	ug/l	HHI012

Note: Results for some parameters may appear in more than one analytical fraction.

Summary of Analytical Results

Surface Water Samples for FALL 89

Sampling Date	Station Number	Sample Depth (cm)	Sample Type	Method	Analytical Parameters	Results	Units	Sample Number
89269	SW12005	0.2	DTCH	P8	Dicyclopentadiene	LT 5.00 0	ug/l	HHF012
				UH11	Vapona	LT 3.84 -1	ug/l	HHG012
				AT8	Diisopropylmethyl Phosphonate	LT 3.92 -1	ug/l	HHE012
				AAA8	Dithiane	LT 1.34 0	ug/l	HHC012
				KK8	Dieldrin	LT 5.00 -2	ug/l	HHD012
				AAA8	Dimethyldisulfide	LT 5.50 -1	ug/l	HHC012
				AT8	Dimethylmethyl Phosphate	LT 1.88 -1	ug/l	HHE012
				KK8	Endrin	LT 5.00 -2	ug/l	HHD012
				AV8	Ethylbenzene	LT 1.37 0	ug/l	HHV012
				TT09	Fluoride	1.41 3	ug/l	HHZ012
				CC8	Mercury	LT 1.00 -1	ug/l	HIA012
				KK8	Isodrin	LT 5.10 -2	ug/l	HHD012
				SS12	Potassium	2.94 3	ug/l	HIC012
				AV8	Toluene	LT 1.47 0	ug/l	HHV012
				SS12	Magnesium	2.39 4	ug/l	HIC012
				P8	Methylisobutyl Ketone	LT 4.90 0	ug/l	HHF012
				UH11	Malathion	LT 3.73 -1	ug/l	HHG012
				SS12	Sodium	7.60 4	ug/l	HIC012
				LL8	Nitrite, Nitrate - Non specific	4.00 3	ug/l	HHY012
				AAA8	1,4-Oxathiane	LT 2.38 0	ug/l	HHC012
				SS12	Lead	LT 4.34 1	ug/l	HIC012
				KK8	Dichlorodiphenylethane	LT 5.40 -2	ug/l	HHD012
				KK8	Dichlorodiphenyltrichloroethane	LT 4.90 -2	ug/l	HHD012
				UH11	Parathion	LT 6.47 -1	ug/l	HHG012
				TT09	Sulfate	1.10 5	ug/l	HHZ012
				UH11	2-Chloro-1(2,4-Dichlorophenyl) Vinyl-diethyl Phosphates	LT 7.87 -1	ug/l	HHG012
				N8	Tetrachloroethene	LT 7.50 -1	ug/l	HHU012
				N8	Trichloroethene	LT 5.60 -1	ug/l	HHU012
				AV8	Ortho- & Para-Xylene	LT 1.36 0	ug/l	HHV012
				SS12	Zinc	LT 1.80 1	ug/l	HIC012
89269	SW12005B	0.0	DTCH	QQ9	Dibromochloropropane	LT 5.00 -3	ug/l	GTC005

Note: Results for some parameters may appear in more than one analytical fraction.

Summary of Analytical Results

Surface Water Samples for FALL 89

Sampling Date	Station Number	Sample Depth (cm)	Sample Type	Method	Analytical Parameters	Results	Units	Sample Number
89269	SW12005B	0.0	DTCH	HG9	Mercury	LT 2.70 -2	ug/l	QUD005
89269	SW12005B	0.2	DTCH	LL03	Benzothiazole	LT 1.08 0	ug/l	RGA005
				LL03	p-Chlorophenylmethyl Sulfide	LT 1.08 0	ug/l	RGA005
				LL03	p-Chlorophenylmethyl Sulfoxide	LT 2.25 0	ug/l	RGA005
				LL03	p-Chlorophenylmethyl Sulfone	LT 2.37 0	ug/l	RGA005
				LL03	Dithiane	LT 1.47 0	ug/l	RGA005
				LL03	Dimethyldisulfide	LT 6.92 -1	ug/l	RGA005
				LL03	1,4-Oxathiane	LT 8.56 -1	ug/l	RGA005
89270	SW24001	0.0	STP	UM21	1,1,1-Trichloroethane	LT 1.00 0	ug/l	HHJ008
				N8	1,1,1-Trichloroethane	LT 7.60 -1	ug/l	HHU016
				UM21	1,1,2-Trichloroethane	LT 1.00 0	ug/l	HHJ008
				N8	1,1,2-Trichloroethane	LT 7.80 -1	ug/l	HHU016
				UM21	1,1-Dichloroethene	LT 1.00 0	ug/l	HHJ008
				N8	1,1-Dichloroethene	LT 1.70 0	ug/l	HHU016
				UM21	1,1-Dichloroethane	LT 1.00 0	ug/l	HHJ008
				N8	1,1-Dichloroethane	LT 7.30 -1	ug/l	HHU016
				UM21	1,2-Dichloroethene	LT 5.00 0	ug/l	HHJ008
				N8	1,2-Dichloroethene	LT 7.60 -1	ug/l	HHU016
				UM21	1,2-Dichloroethane	LT 1.00 0	ug/l	HHJ008
				N8	1,2-Dichloroethane	LT 1.10 0	ug/l	HHU016
				UM21	1,2-Dichloropropane	LT 1.00 0	ug/l	HHJ008
				UM21	1,3-Dichlorobenzene	LT 1.00 0	ug/l	HHJ008
				UM21	1,3-Dichloropropane	LT 4.80 0	ug/l	HHJ008
				UM21	m-Xylene	LT 1.00 0	ug/l	HHJ008
				AV8	m-Xylene	LT 1.32 0	ug/l	HHV016
				UM21	2-Chloroethylvinyl Ether	LT 3.50 0	ug/l	HHJ008
				UM21	Acrylonitrile	LT 8.40 0	ug/l	HHJ008
				KK8	Aldrin	LT 5.00 -2	ug/l	HHO016
				UM25	Aldrin	LT 1.30 1	ug/l	HHH008
				00	ALKALINITY	9.16 4	ug/l	HHW013
				AX8	Arsenic	3.02 1	ug/l	HIB016
				UH11	Atrazine	LT 4.03 0	ug/l	HHG016
				UM25	Atrazine	LT 5.90 0	ug/l	HHH008

Note: Results for some parameters may appear in more than one analytical fraction.

Summary of Analytical Results

Surface Water Samples for FALL 89

Sampling Date	Station Number	Sample Depth (cm)	Sample Type - Method	Analytical Parameters	Results	Units	Sample Number
89270	SW24001	0.0	STP	P8	Bicycloheptadiene	LT 5.90 0	ug/l HHF016
				UM21	Bromodichloromethane	LT 1.00 0	ug/l HHJ008
				AAA8	Benothiazole	LT 5.00 0	ug/l HHC016
				UM21	Vinyl Chloride	LT 1.20 1	ug/l HHJ008
				UM21	Chloroethane	LT 8.00 0	ug/l HHJ008
				UM21	Benzene	LT 1.00 0	ug/l HHJ008
				AV8	Benzene	LT 1.05 0	ug/l HHV016
				SS12	Calcium	3.27 4	ug/l HIC016
				UM21	Trichlorofluoromethane	LT 1.00 0	ug/l HHJ008
				UM21	Carbon Tetrachloride	LT 1.00 0	ug/l HHJ008
				N8	Carbon Tetrachloride	LT 9.90 -1	ug/l HHU016
				SS12	Cadmium	LT 6.78 0	ug/l HIC016
				UM21	Methylene Chloride	LT 1.00 0	ug/l HHJ008
				N8	Methylene Chloride	LT 7.40 0	ug/l HHU016
				UM21	Bromomethane	LT 1.40 1	ug/l HHJ008
				UM21	Chloromethane	LT 1.20 0	ug/l HHJ008
				UM21	Bromoform	LT 1.10 1	ug/l HHJ008
				UM21	Chloroform	LT 1.00 0	ug/l HHJ008
				N8	Chloroform	LT 5.00 -1	ug/l HHU016
				TT09	Chloride	5.50 4	ug/l HHZ016
				KK8	Hexachlorocyclopentadiene	LT 4.80 -2	ug/l HHD016
				UM25	Hexachlorocyclopentadiene	LT 5.40 1	ug/l HHH008
				UM21	Chlorobenzene	LT 1.00 0	ug/l HHJ008
				N8	Chlorobenzene	LT 8.20 -1	ug/l HHU016
				KK8	Chlordane	LT 9.50 -2	ug/l HHD016
				UM25	Chlordane	LT 3.70 1	ug/l HHH008
				AAA8	p-Chlorophenylmethyl Sulfide	LT 5.69 0	ug/l HHC016
				UM25	p-Chlorophenylmethyl Sulfide	LT 1.00 1	ug/l HHH008
				AAA8	p-Chlorophenylmethyl Sulfoxide	LT 1.15 1	ug/l HHC016
				UM25	p-Chlorophenylmethyl Sulfoxide	LT 1.50 1	ug/l HHH008
				AAA8	p-Chlorophenylmethyl Sulfone	LT 7.46 0	ug/l HHC016
				UM25	p-Chlorophenylmethyl Sulfone	LT 5.30 0	ug/l HHH008
				SS12	Chromium	LT 1.68 1	ug/l HIC016
				SS12	Copper	LT 1.88 1	ug/l HIC016

Note: Results for some parameters may appear in more than one analytical fraction.

Summary of Analytical Results

Surface Water Samples for FALL 89

Sampling Date	Station Number	Sample Depth (cm)	Sample Type	Method	Analytical Parameters	Results	Units	Sample Number
89270	SW24001	0.0	STP	TF20	Cyanide	LT 5.00 0	ug/l	HHX016
				UM25	Dibromochloropropane	LT 1.20 1	ug/l	HHH008
				AY8	Dibromochloropropane	LT 1.95 -1	ug/l	HHI016
				UM21	Dibromochloromethane	LT 1.00 0	ug/l	HHJ008
				UM21	1,4-Dichlorobenzene	LT 2.00 0	ug/l	HHJ008
				P8	Dicyclopentadiene	LT 5.00 0	ug/l	HHF016
				UM25	Dicyclopentadiene	LT 5.50 0	ug/l	HHH008
				UH11	Vapona	LT 3.84 -1	ug/l	HHG016
				UM25	Vapona	LT 8.50 0	ug/l	HHH008
				AT8	Diisopropylmethyl Phosphonate	LT 3.92 -1	ug/l	HHE016
				UM25	Diisopropylmethyl Phosphonate	LT 2.10 1	ug/l	HHH008
				AAA8	Dithiane	LT 1.34 0	ug/l	HHC016
				UM25	Dithiane	LT 3.30 0	ug/l	HHH008
				KK8	Dieldrin	LT 5.00 -2	ug/l	HHD016
				UM25	Dieldrin	LT 2.60 1	ug/l	HHH008
				AAA8	Dimethyldisulfide	LT 5.50 -1	ug/l	HHC016
				AT8	Dimethylmethyl Phosphate	5.08 -1	ug/l	HHE016
				UM25	Dimethylmethyl Phosphate	LT 1.30 2	ug/l	HHH008
				KK8	Endrin	LT 5.00 -2	ug/l	HHD016
				UM25	Endrin	LT 1.80 1	ug/l	HHH008
				UM21	Ethylbenzene	LT 1.00 0	ug/l	HHJ008
				AV8	Ethylbenzene	LT 1.37 0	ug/l	HHV016
				TT09	Fluoride	1.33 3	ug/l	HHZ016
				CC8	Mercury	LT 1.00 -1	ug/l	HIA016
				KK8	Isodrin	LT 5.10 -2	ug/l	HHD016
				UM25	Isodrin	LT 7.80 0	ug/l	HHH008
				SS12	Potassium	5.29 3	ug/l	HIC016
				UM21	Toluene	LT 1.00 0	ug/l	HHJ008
				AV8	Toluene	LT 1.47 0	ug/l	HHV016
				UM21	Methylethyl Ketone	LT 1.00 1	ug/l	HHJ008
				SS12	Magnesium	8.92 3	ug/l	HIC016
				P8	Methylisobutyl Ketone	LT 4.90 0	ug/l	HHF016
				UM21	Methylisobutyl Ketone	LT 1.40 0	ug/l	HHJ008
				UH11	Malathion	LT 3.73 -1	ug/l	HHG016

Note: Results for some parameters may appear in more than one analytical fraction.

Summary of Analytical Results

Surface Water Samples for FALL 89

Sampling Date	Station Number	Sample Depth (cm)	Sample Type	Method	Analytical Parameters	Results	Units	Sample Number
89270	SW24001	0.0	STP	UM25	Malathion	LT 2.10	1 ug/l	HHH008
				SS12	Sodium	5.70	4 ug/l	HIC016
				LL8	Nitrite,Nitrate - Non specific	2.00	3 ug/l	HHY016
				AAA8	1,4-Oxathiane	LT 2.38	0 ug/l	HHC016
				UM25	1,4-Oxathiane	LT 2.70	1 ug/l	HHH008
				SS12	Lead	LT 4.34	1 ug/l	HIC016
				KK8	Dichlorodiphenylethane	LT 5.40	-2 ug/l	HHD016
				UM25	Dichlorodiphenylethane	LT 1.40	1 ug/l	HHH008
				KK8	Dichlorodiphenyltrichloroethane	LT 4.90	-2 ug/l	HHD016
				UM25	Dichlorodiphenyltrichloroethane	LT 1.80	1 ug/l	HHH008
				UH11	Parathion	LT 6.47	-1 ug/l	HHG016
				UM25	Parathion	LT 3.70	1 ug/l	HHH008
				TT09	Sulfate	5.20	4 ug/l	HHZ016
				UH11	2-Chloro-1(2,4-Dichlorophenyl) Vinyl-diethyl Phosphates	LT 7.87	-1 ug/l	HHG016
				UM25	2-Chloro-1(2,4-Dichlorophenyl) Vinyl-diethyl Phosphates	LT 1.90	1 ug/l	HHH008
				UM21	1,1,2,2-Tetrachloroethane	LT 1.50	0 ug/l	HHJ008
				UM21	Tetrachloroethene	LT 1.00	0 ug/l	HHJ008
				N8	Tetrachloroethene	LT 7.50	-1 ug/l	HHU016
				UM21	Trichloroethene	LT 1.00	0 ug/l	HHJ008
				N8	Trichloroethene	LT 5.60	-1 ug/l	HHU016
				UM21	Ortho- & Para-Xylene	LT 2.00	0 ug/l	HHJ008
				AV8	Ortho- & Para-Xylene	LT 1.36	0 ug/l	HHV016
				SS12	Zinc	LT 1.80	1 ug/l	HIC016
89271	SW36001	0.2	DTCH	UM21	1,1,1-Trichloroethane	LT 1.00	0 ug/l	HHJ009
				N8	1,1,1-Trichloroethane	LT 7.60	-1 ug/l	HHU017
				UM21	1,1,2-Trichloroethane	LT 1.00	0 ug/l	HHJ009
				N8	1,1,2-Trichloroethane	9.69	-1 ug/l	HHU017
				UM21	1,1-Dichloroethene	LT 1.00	0 ug/l	HHJ009
				N8	1,1-Dichloroethene	LT 1.70	0 ug/l	HHU017
				UM21	1,1-Dichloroethane	LT 1.00	0 ug/l	HHJ009

Note: Results for some parameters may appear in more than one analytical fraction.

Summary of Analytical Results

Surface Water Samples for FALL 89

Sampling Date	Station Number	Sample Depth (cm)	Sample Type	Method	Analytical Parameters	Results	Units	Sample Number
89271	SW36001	0.2	DTCH	N8	1,1-Dichloroethane	LT 7.30 -1	ug/l	HHU017
				UM21	1,2-Dichloroethene	LT 5.00 0	ug/l	HHJ009
				N8	1,2-Dichloroethene	8.20 0	ug/l	HHU017
				UM21	1,2-Dichloroethene	LT 1.00 0	ug/l	HHJ009
				N8	1,2-Dichloroethane	LT 1.10 0	ug/l	HHU017
				UM21	1,2-Dichloropropane	LT 1.00 0	ug/l	HHJ009
				UM21	1,3-Dichlorobenzene	LT 1.00 0	ug/l	HHJ009
				UM21	1,3-Dichloropropane	LT 4.80 0	ug/l	HHJ009
				UM21	m-Xylene	LT 1.00 0	ug/l	HHJ009
				AV8	m-Xylene	LT 1.32 0	ug/l	HHV017
				UM21	2-Chloroethylvinyl Ether	LT 3.50 0	ug/l	HHJ009
				UM21	Acrylonitrile	LT 8.40 0	ug/l	HHJ009
				KK8	Aldrin	1.30 1	ug/l	HHO017
				UM25	Aldrin	LT 1.30 1	ug/l	HHH009
				00	ALKALINITY	1.46 5	ug/l	HHW014
				AX8	Arsenic	1.18 2	ug/l	HIB017
				UH11	Atrazine	8.06 0	ug/l	HHG017
				UM25	Atrazine	6.17 0	ug/l	HHH009
				P8	Bicycloheptadiene	1.09 1	ug/l	HHF017
				UM21	Bromodichloromethane	LT 1.00 0	ug/l	HHJ009
				AAA8	Benzothiazole	LT 5.00 0	ug/l	HHC017
				UM21	Vinyl Chloride	LT 1.20 1	ug/l	HHJ009
				UM21	Chloroethane	LT 8.00 0	ug/l	HHJ009
				UM21	Benzene	LT 1.00 0	ug/l	HHJ009
				AV8	Benzene	1.86 1	ug/l	HHV017
				SS12	Calcium	4.19 4	ug/l	HIC017
				UM21	Trichlorofluoromethane	LT 1.00 0	ug/l	HHJ009
				UM21	Carbon Tetrachloride	LT 1.00 0	ug/l	HHJ009
				N8	Carbon Tetrachloride	LT 9.90 -1	ug/l	HHU017
				SS12	Cadmium	LT 6.78 0	ug/l	HIC017
				UM21	Methylene Chloride	LT 1.00 0	ug/l	HHJ009
				N8	Methylene Chloride	LT 7.40 0	ug/l	HHU017
				UM21	Bromomethane	LT 1.40 1	ug/l	HHJ009
				UM21	Chloromethane	LT 1.20 0	ug/l	HHJ009

Note: Results for some parameters may appear in more than one analytical fraction.

Summary of Analytical Results

Surface Water Samples for FALL 89

Sampling Date	Station Number	Sample Depth (cm)	Sample Type	Method	Analytical Parameters	Results	Units	Sample Number
89271	SW36001	0.2	DTCH	UM21	Bromoform	LT 1.10	1 ug/l	HHJ009
				UM21	Chloroform	7.60	1 ug/l	HHJ009
				N8	Chloroform	1.28	2 ug/l	HHU017
				TT09	Chloride	8.60	4 ug/l	HHZ017
				KK8	Hexachlorocyclopentadiene	6.73	-1 ug/l	HHD017
				UM25	Hexachlorocyclopentadiene	LT 5.40	1 ug/l	HHH009
				UM21	Chlorobenzene	4.23	2 ug/l	HHJ009
				N8	Chlorobenzene	GT 2.00	2 ug/l	HHU017
				KK8	Chlordane	8.60	0 ug/l	HHD017
				UM25	Chlordane	LT 3.70	1 ug/l	HHH009
				AAA8	p-Chlorophenylmethyl Sulfide	LT 5.69	0 ug/l	HHC017
				UM25	p-Chlorophenylmethyl Sulfide	1.26	1 ug/l	HHH009
				AAA8	p-Chlorophenylmethyl Sulfoxide	LT 1.15	1 ug/l	HHC017
				UM25	p-Chlorophenylmethyl Sulfoxide	3.80	1 ug/l	HHH009
				AAA8	p-Chlorophenylmethyl Sulfone	LT 7.46	0 ug/l	HHC017
				UM25	p-Chlorophenylmethyl Sulfone	GT 3.00	2 ug/l	HHH009
				SS12	Chromium	LT 1.68	1 ug/l	HIC017
				SS12	Copper	LT 1.88	1 ug/l	HIC017
				TF20	Cyanide	LT 5.00	0 ug/l	HHX017
				UM25	Dibromochloropropane	LT 1.20	1 ug/l	HHH009
				AY8	Dibromochloropropane	6.23	0 ug/l	HHI017
				UM21	Dibromochloromethane	LT 1.00	0 ug/l	HHJ009
				UM21	1,4-Dichlorobenzene	2.90	2 ug/l	HHJ009
				P8	Dicyclopentadiene	2.29	1 ug/l	HHF017
				UM25	Dicyclopentadiene	1.51	1 ug/l	HHH009
				UH11	Vapona	6.29	0 ug/l	HHG017
				UM25	Vapona	LT 8.50	0 ug/l	HHH009
				AT8	Diisopropylmethyl Phosphonate	4.96	-1 ug/l	HHE017
				UM25	Diisopropylmethyl Phosphonate	LT 2.10	1 ug/l	HHH009
				AAA8	Dithiane	LT 1.34	0 ug/l	HHC017
				UM25	Dithiane	LT 3.30	0 ug/l	HHH009
				KK8	Dieldrin	4.80	0 ug/l	HHD017
				UM25	Dieldrin	LT 2.60	1 ug/l	HHH009
				AAA8	Dimethyldisulfide	LT 5.50	-1 ug/l	HHC017

Note: Results for some parameters may appear in more than one analytical fraction.

Summary of Analytical Results

Surface Water Samples for FALL 89

Sampling Date	Station Number	Sample Depth (cm)	Sample Type	Method	Analytical Parameters	Results	Units	Sample Number
89271	SW36001	0.2	DTCH	AT8	Dimethylmethyl Phosphate	1.70	0 ug/l	HHE017
				UM25	Dimethylmethyl Phosphate	LT 1.30	2 ug/l	HHH009
				KK8	Endrin	3.70	0 ug/l	HH0017
				UM25	Endrin	LT 1.80	1 ug/l	HHH009
				UM21	Ethylbenzene	2.70	1 ug/l	HHJ009
				AV8	Ethylbenzene	2.88	1 ug/l	HHV017
				TT09	Fluoride	1.62	3 ug/l	HHZ017
				CC8	Mercury	2.36	-1 ug/l	HIA017
				KK8	Isodrin	1.60	0 ug/l	HH0017
				UM25	Isodrin	LT 7.80	0 ug/l	HHH009
				SS12	Potassium	3.43	3 ug/l	HIC017
				UM21	Toluene	LT 1.00	0 ug/l	HHJ009
				AV8	Toluene	5.79	0 ug/l	HHV017
				UM21	Methylethyl Ketone	LT 1.00	1 ug/l	HHJ009
				SS12	Magnesium	2.44	4 ug/l	HIC017
				P8	Methylisobutyl Ketone	8.77	0 ug/l	HHF017
				UM21	Methylisobutyl Ketone	LT 1.40	0 ug/l	HHJ009
				UH11	Malathion	LT 3.73	-1 ug/l	HHG017
				UM25	Malathion	LT 2.10	1 ug/l	HHH009
				SS12	Sodium	1.10	5 ug/l	HIC017
				LL8	Nitrite,Nitrate - Non specific	5.06	1 ug/l	HHV017
				AAA8	1,4-Oxathiane	LT 2.38	0 ug/l	HHC017
				UM25	1,4-Oxathiane	LT 2.70	1 ug/l	HHH009
				SS12	Lead	LT 4.34	1 ug/l	HIC017
				KK8	Dichlorodiphenylethane	2.60	-1 ug/l	HH0017
				UM25	Dichlorodiphenylethane	LT 1.40	1 ug/l	HHH009
				KK8	Dichlorodiphenyltrichloro-ethane	2.80	0 ug/l	HH0017
				UM25	Dichlorodiphenyltrichloro-ethane	LT 1.80	1 ug/l	HHH009
				UH11	Parathion	LT 6.47	-1 ug/l	HHG017
				UM25	Parathion	LT 3.70	1 ug/l	HHH009
				TT09	Sulfate	1.30	5 ug/l	HHZ017
				UH11	2-Chloro-1(2,4-Dichlorophenyl) Vinyl-diethyl Phosphates	4.44	0 ug/l	HHG017

Note: Results for some parameters may appear in more than one analytical fraction.

Summary of Analytical Results

Surface Water Samples for FALL 89

Sampling Date	Station Number	Sample Depth (cm)	Sample Type	Method	Analytical Parameters	Results	Units	Sample Number
89271	SW36001	0.2	DTCH	UM25	2-Chloro-1(2,4-Dichlorophenyl) Vinyl-diethyl Phosphates	LT 1.90	1 ug/l	HHH009
				UM21	1,1,2,2-Tetrachloroethane	LT 1.50	0 ug/l	HHJ009
				UM21	Tetrachloroethene	3.80	1 ug/l	HHJ009
				N8	Tetrachloroethene	4.47	0 ug/l	HHU017
				UM21	Trichloroethene	1.00	1 ug/l	HHJ009
				N8	Trichloroethene	2.04	1 ug/l	HHU017
				UM21	Ortho- & Para-Xylene	3.27	1 ug/l	HHJ009
				AV8	Ortho- & Para-Xylene	4.12	1 ug/l	HHV017
				SS12	Zinc	LT 1.80	1 ug/l	HIC017
89271	SW36001B	0.0	DTCH	QQ9	Dibromochloropropane	LT 5.00	-3 ug/l	GTC010
				HG9	Mercury	5.70	-1 ug/l	QUD010
89271	SW36001B	0.2	DTCH	LL03	Benzothiazole	LT 1.08	0 ug/l	RGA010
				LL03	p-Chlorophenylmethyl Sulfide	LT 1.08	0 ug/l	RGA010
				LL03	p-Chlorophenylmethyl Sulfoxide	LT 2.25	0 ug/l	RGA010
				LL03	p-Chlorophenylmethyl Sulfone	LT 2.37	0 ug/l	RGA010
				LL03	Dithiane	LT 1.47	0 ug/l	RGA010
				LL03	Dimethyldisulfide	LT 6.92	-1 ug/l	RGA010
				LL03	1,4-Oxathiane	LT 8.56	-1 ug/l	RGA010
89271	SW36001FB	0	QCFB	UM21	1,1,1-Trichloroethane	LT 1.00	0 ug/l	HHJ010
				N8	1,1,1-Trichloroethane	LT 7.60	-1 ug/l	HHU018
				UM21	1,1,2-Trichloroethane	LT 1.00	0 ug/l	HHJ010
				N8	1,1,2-Trichloroethane	LT 7.80	-1 ug/l	HHU018
				UM21	1,1-Dichloroethene	LT 1.00	0 ug/l	HHJ010
				N8	1,1-Dichloroethene	LT 1.70	0 ug/l	HHU018
				UM21	1,1-Dichloroethane	LT 1.00	0 ug/l	HHJ010
				N8	1,1-Dichloroethane	LT 7.30	-1 ug/l	HHU018
				UM21	1,2-Dichloroethene	LT 5.00	0 ug/l	HHJ010
				N8	1,2-Dichloroethene	LT 7.60	-1 ug/l	HHU018
				UM21	1,2-Dichloroethane	LT 1.00	0 ug/l	HHJ010
				N8	1,2-Dichloroethane	LT 1.10	0 ug/l	HHU018
				UM21	1,2-Dichloropropane	LT 1.00	0 ug/l	HHJ010
				UM21	1,3-Dichlorobenzene	LT 1.00	0 ug/l	HHJ010

Note: Results for some parameters may appear in more than one analytical fraction.

Summary of Analytical Results

Surface Water Samples for FALL 89

Sampling Date	Station Number	Sample Depth (cm)	Sample Type	Method	Analytical Parameters	Results	Units	Sample Number
89271	SW36001FB	0	QCFB	UM21	1,3-Dichloropropane	LT 4.80	0 ug/l	HHJ010
				UM21	m-Xylene	LT 1.00	0 ug/l	HHJ010
				AV8	m-Xylene	LT 1.32	0 ug/l	HHV018
				UM21	2-Chloroethylvinyl Ether	LT 3.50	0 ug/l	HHJ010
				UM21	Acrylonitrile	LT 8.40	0 ug/l	HHJ010
				KK8	Aldrin	LT 5.00	-2 ug/l	HHO018
				UM25	Aldrin	LT 1.30	1 ug/l	HHH010
				00	ALKALINITY	LT 7.30	4 ug/l	HHW015
				AX8	Arsenic	2.43	0 ug/l	HIB018
				UH11	Atrazine	LT 4.03	0 ug/l	HHG018
				UM25	Atrazine	LT 5.90	0 ug/l	HHH010
				P8	Bicycloheptadiene	LT 5.90	0 ug/l	HHF018
				UM21	Bromodichloromethane	LT 1.00	0 ug/l	HHJ010
				AAA8	Benzothiazole	LT 5.00	0 ug/l	HHC018
				UM21	Vinyl Chloride	LT 1.20	1 ug/l	HHJ010
				UM21	Chloroethane	LT 8.00	0 ug/l	HHJ010
				UM21	Benzene	LT 1.00	0 ug/l	HHJ010
				AV8	Benzene	LT 1.05	0 ug/l	HHV018
				SS12	Calcium	LT 1.05	2 ug/l	HIC018
				UM21	Trichlorofluoromethane	LT 1.00	0 ug/l	HHJ010
				UM21	Carbon Tetrachloride	LT 1.00	0 ug/l	HHJ010
				N8	Carbon Tetrachloride	LT 9.90	-1 ug/l	HHU018
				SS12	Cadmium	LT 6.78	0 ug/l	HIC018
				UM21	Methylene Chloride	LT 1.00	0 ug/l	HHJ010
				N8	Methylene Chloride	LT 7.40	0 ug/l	HHU018
				UM21	Bromomethane	LT 1.40	1 ug/l	HHJ010
				UM21	Chloromethane	LT 1.20	0 ug/l	HHJ010
				UM21	Bromoform	LT 1.10	1 ug/l	HHJ010
				UM21	Chloroform	LT 1.00	0 ug/l	HHJ010
				N8	Chloroform	LT 5.00	-1 ug/l	HHU018
				TT09	Chloride	LT 2.78	2 ug/l	HHZ018
				KK8	Hexachlorocyclopentadiene	LT 4.80	-2 ug/l	HHO018
				UM25	Hexachlorocyclopentadiene	LT 5.40	1 ug/l	HHH010
				UM21	Chlorobenzene	LT 1.00	0 ug/l	HHJ010

Note: Results for some parameters may appear in more than one analytical fraction.

Summary of Analytical Results

Surface Water Samples for FALL 89

Sampling Date	Station Number	Sample Depth (cm)	Sample Type	Method	Analytical Parameters	Results	Units	Sample Number
89271	SW36001FB	0	QCFB	N8	Chlorobenzene	LT 8.20 -1	ug/l	HHU018
				KK8	Chlordane	LT 9.50 -2	ug/l	HHU018
				UM25	Chlordane	LT 3.70 1	ug/l	HHH010
				AAA8	p-Chlorophenylmethyl Sulfide	LT 5.69 0	ug/l	HHC018
				UM25	p-Chlorophenylmethyl Sulfide	LT 1.00 1	ug/l	HHH010
				AAA8	p-Chlorophenylmethyl Sulfoxide	LT 1.15 1	ug/l	HHC018
				UM25	p-Chlorophenylmethyl Sulfoxide	LT 1.50 1	ug/l	HHH010
				AAA8	p-Chlorophenylmethyl Sulfone	LT 7.46 0	ug/l	HHC018
				UM25	p-Chlorophenylmethyl Sulfone	LT 5.30 0	ug/l	HHH010
				SS12	Chromium	LT 1.68 1	ug/l	HIC018
				SS12	Copper	LT 1.88 1	ug/l	HIC018
				TF20	Cyanide	LT 5.00 0	ug/l	HHX018
				UM25	Dibromochloropropane	LT 1.20 1	ug/l	HHH010
				AY8	Dibromochloropropane	LT 1.95 -1	ug/l	HHI018
				UM21	Dibromochloromethane	LT 1.00 0	ug/l	HHJ010
				UM21	1,4-Dichlorobenzene	LT 2.00 0	ug/l	HHJ010
				P8	Dicyclopentadiene	LT 5.00 0	ug/l	HHF018
				UM25	Dicyclopentadiene	LT 5.50 0	ug/l	HHH010
				UH11	Vapona	LT 3.84 -1	ug/l	HHG018
				UM25	Vapona	LT 8.50 0	ug/l	HHH010
				AT8	Diisopropylmethyl Phosphonate	LT 3.92 -1	ug/l	HHE018
				UM25	Diisopropylmethyl Phosphonate	LT 2.10 1	ug/l	HHH010
				AAA8	Dithiane	LT 1.34 0	ug/l	HHC018
				UM25	Dithiane	LT 3.30 0	ug/l	HHH010
				KK8	Dieldrin	LT 5.00 -2	ug/l	HHU018
				UM25	Dieldrin	LT 2.60 1	ug/l	HHH010
				AAA8	Dimethyldisulfide	LT 5.50 -1	ug/l	HHC018
				AT8	Dimethylmethyl Phosphate	LT 1.88 -1	ug/l	HHE018
				UM25	Dimethylmethyl Phosphate	LT 1.30 2	ug/l	HHH010
				KK8	Endrin	LT 5.00 -2	ug/l	HHU018
				UM25	Endrin	LT 1.80 1	ug/l	HHH010
				UM21	Ethylbenzene	LT 1.00 0	ug/l	HHJ010
				AV8	Ethylbenzene	LT 1.37 0	ug/l	HHV018
				TT09	Fluoride	LT 1.53 2	ug/l	HHZ018

Note: Results for some parameters may appear in more than one analytical fraction.

Summary of Analytical Results

Surface Water Samples for FALL 89

Sampling Date	Station Number	Sample Depth (cm)	Sample Type	Method	Analytical Parameters	Results	Units	Sample Number
89271	SW36001FB	0	QCFB	CC8	Mercury	LT 1.00 -1	ug/l	HIA018
				KK8	Isodrin	LT 5.10 -2	ug/l	HHD018
				UM25	Isodrin	LT 7.80 0	ug/l	HHH010
				SS12	Potassium	LT 1.24 3	ug/l	HIC018
				UM21	Toluene	LT 1.00 0	ug/l	HHJ010
				AV8	Toluene	LT 1.47 0	ug/l	HHV018
				UM21	Methylethyl Ketone	LT 1.00 1	ug/l	HHJ010
				SS12	Magnesium	LT 1.35 2	ug/l	HIC018
				P8	Methylisobutyl Ketone	LT 4.90 0	ug/l	HHF018
				UM21	Methylisobutyl Ketone	LT 1.40 0	ug/l	HHJ010
				UH11	Malathion	LT 3.73 -1	ug/l	HHG018
				UM25	Malathion	LT 2.10 1	ug/l	HHH010
				SS12	Sodium	LT 2.79 2	ug/l	HIC018
				LL8	Nitrite,Nitrate - Non specific	1.05 2	ug/l	HHY018
				AAA8	1,4-Oxathiane	LT 2.38 0	ug/l	HHC018
				UM25	1,4-Oxathiane	LT 2.70 1	ug/l	HHH010
				SS12	Lead	LT 4.34 1	ug/l	HIC018
				KK8	Dichlorodiphenylethane	LT 5.40 -2	ug/l	HHD018
				UM25	Dichlorodiphenylethane	LT 1.40 1	ug/l	HHH010
				KK8	Dichlorodiphenyltrichloro-ethane	LT 4.90 -2	ug/l	HHD018
				UM25	Dichlorodiphenyltrichloro-ethane	LT 1.80 1	ug/l	HHH010
				UH11	Parathion	LT 6.47 -1	ug/l	HHG018
				UM25	Parathion	LT 3.70 1	ug/l	HHH010
				TT09	Sulfate	LT 1.75 2	ug/l	HHZ018
				UH11	2-Chloro-1(2,4-Dichlorophenyl) Vinyl-diethyl Phosphates	LT 7.87 -1	ug/l	HHG018
				UM25	2-Chloro-1(2,4-Dichlorophenyl) Vinyl-diethyl Phosphates	LT 1.90 1	ug/l	HHH010
				UM21	1,1,2,2-Tetrachloroethane	LT 1.50 0	ug/l	HHJ010
				UM21	Tetrachloroethene	LT 1.00 0	ug/l	HHJ010
				N8	Tetrachloroethene	LT 7.50 -1	ug/l	HHU018
				UM21	Trichloroethene	LT 1.00 0	ug/l	HHJ010

Note: Results for some parameters may appear in more than one analytical fraction.

Summary of Analytical Results

Surface Water Samples for FALL 89

Sampling Date	Station Number	Sample Depth (cm)	Sample Type	Method	Analytical Parameters	Results	Units	Sample Number
89271	SW36001FB	0	QCFB	N8	Trichloroethene	LT 5.60 -1	ug/l	HHU018
				UM21	Ortho- & Para-Xylene	LT 2.00 0	ug/l	HHJ010
				AV8	Ortho- & Para-Xylene	LT 1.36 0	ug/l	HHV018
				SS12	Zinc	LT 1.80 1	ug/l	HIC018
89271	SW36001TB	0	QCTB	UM21	1,1,1-Trichloroethane	LT 1.00 0	ug/l	HHJ011
				N8	1,1,1-Trichloroethane	LT 7.60 -1	ug/l	HHU019
				UM21	1,1,2-Trichloroethane	LT 1.00 0	ug/l	HHJ011
				N8	1,1,2-Trichloroethane	LT 7.80 -1	ug/l	HHU019
				UM21	1,1-Dichloroethene	LT 1.00 0	ug/l	HHJ011
				N8	1,1-Dichloroethene	LT 1.70 0	ug/l	HHU019
				UM21	1,1-Dichloroethane	LT 1.00 0	ug/l	HHJ011
				N8	1,1-Dichloroethane	LT 7.30 -1	ug/l	HHU019
				UM21	1,2-Dichloroethene	LT 5.00 0	ug/l	HHJ011
				N8	1,2-Dichloroethene	LT 7.60 -1	ug/l	HHU019
				UM21	1,2-Dichloroethane	LT 1.00 0	ug/l	HHJ011
				N8	1,2-Dichloroethane	LT 1.10 0	ug/l	HHU019
				UM21	1,2-Dichloropropane	LT 1.00 0	ug/l	HHJ011
				UM21	1,3-Dichlorobenzene	LT 1.00 0	ug/l	HHJ011
				UM21	1,3-Dichloropropane	LT 4.80 0	ug/l	HHJ011
				UM21	m-Xylene	LT 1.00 0	ug/l	HHJ011
				AV8	m-Xylene	LT 1.32 0	ug/l	HHV019
				UM21	2-Chloroethylvinyl Ether	LT 3.50 0	ug/l	HHJ011
				UM21	Acrylonitrile	LT 8.40 0	ug/l	HHJ011
				KK8	Aldrin	LT 5.00 -2	ug/l	HHO019
				UM25	Aldrin	LT 1.30 1	ug/l	HHO011
				00	ALKALINITY	LT 7.30 4	ug/l	HHW016
				AX8	Arsenic	LT 2.35 0	ug/l	HIB019
				UH11	Atrazine	LT 4.03 0	ug/l	HHG019
				UM25	Atrazine	LT 5.90 0	ug/l	HHO011
				P8	Bicycloheptadiene	LT 5.90 0	ug/l	HHF019
				UM21	Bromodichloromethane	LT 1.00 0	ug/l	HHJ011
				AAA8	Benothiazole	LT 5.00 0	ug/l	HHC019
				UM21	Vinyl Chloride	LT 1.20 1	ug/l	HHJ011
				UM21	Chloroethane	LT 8.00 0	ug/l	HHJ011

Note: Results for some parameters may appear in more than one analytical fraction.

Summary of Analytical Results

Surface Water Samples for FALL 89

Sampling Date	Station Number	Sample Depth (cm)	Sample Type	Method	Analytical Parameters	Results	Units	Sample Number
89271	SW36001TB	0	QCTB	UM21	Benzene	LT 1.00 0	ug/l	HHJ011
				AV8	Benzene	LT 1.05 0	ug/l	HHV019
				SS12	Calcium	LT 1.05 2	ug/l	HIC019
				UM21	Trichlorofluoromethane	LT 1.00 0	ug/l	HHJ011
				UM21	Carbon Tetrachloride	LT 1.00 0	ug/l	HHJ011
				N8	Carbon Tetrachloride	LT 9.90 -1	ug/l	HHU019
				SS12	Cadmium	LT 6.78 0	ug/l	HIC019
				UM21	Methylene Chloride	LT 1.00 0	ug/l	HHJ011
				N8	Methylene Chloride	LT 7.40 0	ug/l	HHU019
				UM21	Bromomethane	LT 1.40 1	ug/l	HHJ011
				UM21	Chloromethane	LT 1.20 0	ug/l	HHJ011
				UM21	Bromoform	LT 1.10 1	ug/l	HHJ011
				UM21	Chloroform	LT 1.00 0	ug/l	HHJ011
				N8	Chloroform	LT 5.00 -1	ug/l	HHU019
				TT09	Chloride	LT 2.78 2	ug/l	HHZ019
				KK8	Hexachlorocyclopentadiene	LT 4.80 -2	ug/l	HHO019
				UM25	Hexachlorocyclopentadiene	LT 5.40 1	ug/l	HHH011
				UM21	Chlorobenzene	LT 1.00 0	ug/l	HHJ011
				N8	Chlorobenzene	LT 8.20 -1	ug/l	HHU019
				KK8	Chlordane	LT 9.50 -2	ug/l	HHO019
				UM25	Chlordane	LT 3.70 1	ug/l	HHH011
				AAA8	p-Chlorophenylmethyl Sulfide	LT 5.69 0	ug/l	HHC019
				UM25	p-Chlorophenylmethyl Sulfide	LT 1.00 1	ug/l	HHH011
				AAA8	p-Chlorophenylmethyl Sulfoxide	LT 1.15 1	ug/l	HHC019
				UM25	p-Chlorophenylmethyl Sulfoxide	LT 1.50 1	ug/l	HHH011
				AAA8	p-Chlorophenylmethyl Sulfone	LT 7.46 0	ug/l	HHC019
				UM25	p-Chlorophenylmethyl Sulfone	LT 5.30 0	ug/l	HHH011
				SS12	Chromium	LT 1.68 1	ug/l	HIC019
				SS12	Copper	LT 1.88 1	ug/l	HIC019
				TF20	Cyanide	LT 5.00 0	ug/l	HHX019
				UM25	Dibromochloropropane	LT 1.20 1	ug/l	HHH011
				AY8	Dibromochloropropane	LT 1.95 -1	ug/l	HHI019
				UM21	Dibromochloromethane	LT 1.00 0	ug/l	HHJ011
				UM21	1,4-Dichlorobenzene	LT 2.00 0	ug/l	HHJ011

Note: Results for some parameters may appear in more than one analytical fraction.

Summary of Analytical Results

Surface Water Samples for FALL 89

Sampling Date	Station Number	Sample Depth (cm)	Sample Type	Method	Analytical Parameters	Results	Units	Sample Number
89271	SW36001TB	0	QCTB	P8	Dicyclopentadiene	LT 5.00 0	ug/l	HHF019
				UM25	Dicyclopentadiene	LT 5.50 0	ug/l	HHH011
				UH11	Vapona	LT 3.84 -1	ug/l	HHG019
				UM25	Vapona	LT 8.50 0	ug/l	HHH011
				AT8	Diisopropylmethyl Phosphonate	LT 3.92 -1	ug/l	HHE019
				UM25	Diisopropylmethyl Phosphonate	LT 2.10 1	ug/l	HHH011
				AAA8	Dithiane	LT 1.34 0	ug/l	HHC019
				UM25	Dithiane	LT 3.30 0	ug/l	HHH011
				KK8	Dieldrin	LT 5.00 -2	ug/l	HHD019
				UM25	Dieldrin	LT 2.60 1	ug/l	HHH011
				AAA8	Dimethyldisulfide	LT 5.50 -1	ug/l	HHC019
				AT8	Dimethylmethyl Phosphate	LT 1.88 -1	ug/l	HHE019
				UM25	Dimethylmethyl Phosphate	LT 1.30 2	ug/l	HHH011
				KK8	Endrin	LT 5.00 -2	ug/l	HHD019
				UM25	Endrin	LT 1.80 1	ug/l	HHH011
				UM21	Ethylbenzene	LT 1.00 0	ug/l	HHJ011
				AV8	Ethylbenzene	LT 1.37 0	ug/l	HHV019
				TT09	Fluoride	LT 1.53 2	ug/l	HHZ019
				CC8	Mercury	LT 1.00 -1	ug/l	HIA019
				KK8	Isodrin	LT 5.10 -2	ug/l	HHD019
				UM25	Isodrin	LT 7.80 0	ug/l	HHH011
				SS12	Potassium	LT 1.24 3	ug/l	HIC019
				UM21	Toluene	LT 1.00 0	ug/l	HHJ011
				AV8	Toluene	LT 1.47 0	ug/l	HHV019
				UM21	Methylethyl Ketone	LT 1.00 1	ug/l	HHJ011
				SS12	Magnesium	LT 1.35 2	ug/l	HIC019
				P8	Methylisobutyl Ketone	LT 4.90 0	ug/l	HHF019
				UM21	Methylisobutyl Ketone	LT 1.40 0	ug/l	HHJ011
				UH11	Malathion	LT 3.73 -1	ug/l	HHG019
				UM25	Malathion	LT 2.10 1	ug/l	HHH011
				SS12	Sodium	LT 2.79 2	ug/l	HIC019
				LL8	Nitrite,Nitrate - Non specific	LT 1.00 1	ug/l	HHY019
				AAA8	1,4-Oxathiane	LT 2.38 0	ug/l	HHC019
				UM25	1,4-Oxathiane	LT 2.70 1	ug/l	HHH011

Note: Results for some parameters may appear in more than one analytical fraction.

Summary of Analytical Results

Surface Water Samples for FALL 89

Sampling Date	Station Number	Sample Depth (cm)	Sample Type	Method	Analytical Parameters	Results	Units	Sample Number
89271	SW36001TB	0	QCTB	SS12	Lead	LT 4.34	1 ug/l	HIC019
				KK8	Dichlorodiphenylethane	LT 5.40	-2 ug/l	HHD019
				UM25	Dichlorodiphenylethane	LT 1.40	1 ug/l	HHH011
				KK8	Dichlorodiphenyltrichloroethane	LT 4.90	-2 ug/l	HHD019
				UM25	Dichlorodiphenyltrichloroethane	LT 1.80	1 ug/l	HHH011
				UH11	Parathion	LT 6.47	-1 ug/l	HHG019
				UM25	Parathion	LT 3.70	1 ug/l	HHH011
				TT09	Sulfate	LT 1.75	2 ug/l	HHZ019
				UH11	2-Chloro-1(2,4-Dichlorophenyl) Vinyl-diethyl Phosphates	LT 7.87	-1 ug/l	HHG019
				UM25	2-Chloro-1(2,4-Dichlorophenyl) Vinyl-diethyl Phosphates	LT 1.90	1 ug/l	HHH011
				UM21	1,1,2,2-Tetrachloroethane	LT 1.50	0 ug/l	HHJ011
				UM21	Tetrachloroethene	LT 1.00	0 ug/l	HHJ011
				N8	Tetrachloroethene	LT 7.50	-1 ug/l	HHU019
				UM21	Trichloroethene	LT 1.00	0 ug/l	HHJ011
				N8	Trichloroethene	LT 5.60	-1 ug/l	HHU019
				UM21	Ortho- & Para-Xylene	LT 2.00	0 ug/l	HHJ011
				AV8	Ortho- & Para-Xylene	LT 1.36	0 ug/l	HHV019
				SS12	Zinc	LT 1.80	1 ug/l	HIC019

Note: Results for some parameters may appear in more than one analytical fraction.

Summary of Analytical Results

Surface Water Data - Fall 89'

Sampling Date	Station Number	Sample Depth (cm)	Sample Type	Method	Analytical Parameters	Results	Units	Sample Number
89271	SW36001FB	0	DTCH	UM21	1,1,1-Trichloroethane	LT 1.00 0	ug/l	HHJ010
				N8	1,1,1-Trichloroethane	LT 7.60 -1	ug/l	HHU018
				UM21	1,1,2-Trichloroethane	LT 1.00 0	ug/l	HHJ010
				N8	1,1,2-Trichloroethane	LT 7.80 -1	ug/l	HHU018
				UM21	1,1-Dichloroethene	LT 1.00 0	ug/l	HHJ010
				N8	1,1-Dichloroethene	LT 1.70 0	ug/l	HHU018
				UM21	1,1-Dichloroethane	LT 1.00 0	ug/l	HHJ010
				N8	1,1-Dichloroethane	LT 7.30 -1	ug/l	HHU018
				UM21	1,2-Dichloroethene	LT 5.00 0	ug/l	HHJ010
				N8	1,2-Dichloroethene	LT 7.60 -1	ug/l	HHU018
				UM21	1,2-Dichloroethane	LT 1.00 0	ug/l	HHJ010
				N8	1,2-Dichloroethane	LT 1.10 0	ug/l	HHU018
				UM21	1,2-Dichloropropane	LT 1.00 0	ug/l	HHJ010
				UM21	1,3-Dichlorobenzene	LT 1.00 0	ug/l	HHJ010
				UM21	1,3-Dichloropropane	LT 4.80 0	ug/l	HHJ010
				UM21	m-Xylene	LT 1.00 0	ug/l	HHJ010
				AV8	m-Xylene	LT 1.32 0	ug/l	HHV018
				UM21	2-Chloroethylvinyl Ether	LT 3.50 0	ug/l	HHJ010
				UM21	Acrylonitrile	LT 8.40 0	ug/l	HHJ010
				KK8	Aldrin	LT 5.00 -2	ug/l	HHO018
				UM25	Aldrin	LT 1.30 1	ug/l	HHH010
				00	ALKALINITY	LT 7.30 4	ug/l	HHW015
				AX8	Arsenic	2.43 0	ug/l	HIB018
				UH11	Atrazine	LT 4.03 0	ug/l	HHG018
				UM25	Atrazine	LT 5.90 0	ug/l	HHH010
				P8	Bicycloheptadiene	LT 5.90 0	ug/l	HHF018
				UM21	Bromodichloromethane	LT 1.00 0	ug/l	HHJ010
				AAA8	Benzothiazole	LT 5.00 0	ug/l	HHO018
				UM21	Vinyl Chloride	LT 1.20 1	ug/l	HHJ010
				UM21	Chloroethane	LT 8.00 0	ug/l	HHJ010
				UM21	Benzene	LT 1.00 0	ug/l	HHJ010
				AV8	Benzene	LT 1.05 0	ug/l	HHV018
				SS12	Calcium	LT 1.05 2	ug/l	HIC018
				UM21	Trichlorofluoromethane	LT 1.00 0	ug/l	HHJ010

Note: Results for some parameters may appear in more than one analytical fraction.

Summary of Analytical Results

Surface Water Data - Fall 89'

Sampling Date	Station Number	Sample Depth (cm)	Sample Type	Method	Analytical Parameters	Results	Units	Sample Number
89271	SW36001FB	0	DTCH	UM21	Carbon Tetrachloride	LT 1.00 0	ug/l	HHJ010
				N8	Carbon Tetrachloride	LT 9.90 -1	ug/l	HHU018
				SS12	Cadmium	LT 6.78 0	ug/l	HIC018
				UM21	Methylene Chloride	LT 1.00 0	ug/l	HHJ010
				N8	Methylene Chloride	LT 7.40 0	ug/l	HHU018
				UM21	Bromomethane	LT 1.40 1	ug/l	HHJ010
				UM21	Chloromethane	LT 1.20 0	ug/l	HHJ010
				UM21	Bromoform	LT 1.10 1	ug/l	HHJ010
				UM21	Chloroform	LT 1.00 0	ug/l	HHJ010
				N8	Chloroform	LT 5.00 -1	ug/l	HHU018
				TT09	Chloride	LT 2.78 2	ug/l	HHZ018
				KK8	Hexachlorocyclopentadiene	LT 4.80 -2	ug/l	HHD018
				UM25	Hexachlorocyclopentadiene	LT 5.40 1	ug/l	HHH010
				UM21	Chlorobenzene	LT 1.00 0	ug/l	HHJ010
				N8	Chlorobenzene	LT 8.20 -1	ug/l	HHU018
				KK8	Chlordane	LT 9.50 -2	ug/l	HHD018
				UM25	Chlordane	LT 3.70 1	ug/l	HHH010
				AAA8	p-Chlorophenylmethyl Sulfide	LT 5.69 0	ug/l	HHC018
				UM25	p-Chlorophenylmethyl Sulfide	LT 1.00 1	ug/l	HHH010
				AAA8	p-Chlorophenylmethyl Sulfoxide	LT 1.15 1	ug/l	HHC018
				UM25	p-Chlorophenylmethyl Sulfoxide	LT 1.50 1	ug/l	HHH010
				AAA8	p-Chlorophenylmethyl Sulfone	LT 7.46 0	ug/l	HHC018
				UM25	p-Chlorophenylmethyl Sulfone	LT 5.30 0	ug/l	HHH010
				SS12	Chromium	LT 1.68 1	ug/l	HIC018
				SS12	Copper	LT 1.88 1	ug/l	HIC018
				TF20	Cyanide	LT 5.00 0	ug/l	HHX018
				UM25	Dibromochloropropane	LT 1.20 1	ug/l	HHH010
				AY8	Dibromochloropropane	LT 1.95 -1	ug/l	HHI018
				UM21	Dibromochloromethane	LT 1.00 0	ug/l	HHJ010
				UM21	1,4-Dichlorobenzene	LT 2.00 0	ug/l	HHJ010
				P8	Dicyclopentadiene	LT 5.00 0	ug/l	HHF018
				UM25	Dicyclopentadiene	LT 5.50 0	ug/l	HHH010
				UH11	Vapona	LT 3.84 -1	ug/l	HHG018
				UM25	Vapona	LT 8.50 0	ug/l	HHH010

Note: Results for some parameters may appear in more than one analytical fraction.

Summary of Analytical Results

Surface Water Data - Fall 89'

Sampling Date	Station Number	Sample Depth (cm)	Sample Type	Method	Analytical Parameters	Results	Units	Sample Number
89271	SW36001FB	0	DTCH	AT8	Diisopropylmethyl Phosphonate	LT 3.92 -1	ug/l	HHE018
				UM25	Diisopropylmethyl Phosphonate	LT 2.10 1	ug/l	HHH010
				AAA8	Dithiane	LT 1.34 0	ug/l	HHC018
				UM25	Dithiane	LT 3.30 0	ug/l	HHH010
				KK8	Dieldrin	LT 5.00 -2	ug/l	HHD018
				UM25	Dieldrin	LT 2.60 1	ug/l	HHH010
				AAA8	Dimethyldisulfide	LT 5.50 -1	ug/l	HHC018
				AT8	Dimethylmethyl Phosphate	LT 1.88 -1	ug/l	HHE018
				UM25	Dimethylmethyl Phosphate	LT 1.30 2	ug/l	HHH010
				KK8	Endrin	LT 5.00 -2	ug/l	HHD018
				UM25	Endrin	LT 1.80 1	ug/l	HHH010
				UM21	Ethylbenzene	LT 1.00 0	ug/l	HHJ010
				AV8	Ethylbenzene	LT 1.37 0	ug/l	HHV018
				TT09	Fluoride	LT 1.53 2	ug/l	HHZ018
				CC8	Mercury	LT 1.00 -1	ug/l	HIA018
				KK8	Isodrin	LT 5.10 -2	ug/l	HHD018
				UM25	Isodrin	LT 7.80 0	ug/l	HHH010
				SS12	Potassium	LT 1.24 3	ug/l	HIC018
				UM21	Toluene	LT 1.00 0	ug/l	HHJ010
				AV8	Toluene	LT 1.47 0	ug/l	HHV018
				UM21	Methylethyl Ketone	LT 1.00 1	ug/l	HHJ010
				SS12	Magnesium	LT 1.35 2	ug/l	HIC018
				P8	Methylisobutyl Ketone	LT 4.90 0	ug/l	HHF018
				UM21	Methylisobutyl Ketone	LT 1.40 0	ug/l	HHJ010
				UH11	Malathion	LT 3.73 -1	ug/l	HHG018
				UM25	Malathion	LT 2.10 1	ug/l	HHH010
				SS12	Sodium	LT 2.79 2	ug/l	HIC018
				LL8	Nitrite,Nitrate - Non specific	1.05 2	ug/l	HHY018
				AAA8	1,4-Oxathiane	LT 2.38 0	ug/l	HHC018
				UM25	1,4-Oxathiane	LT 2.70 1	ug/l	HHH010
				SS12	Lead	LT 4.34 1	ug/l	HIC018
				KK8	Dichlorodiphenylethane	LT 5.40 -2	ug/l	HHD018
				UM25	Dichlorodiphenylethane	LT 1.40 1	ug/l	HHH010
				KK8	Dichlorodiphenyltrichloro-ethane	LT 4.90 -2	ug/l	HHD018

Note: Results for some parameters may appear in more than one analytical fraction.

Summary of Analytical Results

Surface Water Data - Fall 89'

Sampling Date	Station Number	Sample Depth (cm)	Sample Type	Method	Analytical Parameters	Results	Units	Sample Number
89271	SW36001FB	0	DTCH	UM25	Dichlorodiphenyltrichloroethane	LT 1.80 1	ug/l	HHH010
				UH11	Parathion	LT 6.47 -1	ug/l	HHG018
				UM25	Parathion	LT 3.70 1	ug/l	HHH010
				TT09	Sulfate	LT 1.75 2	ug/l	HHZ018
				UH11	2-Chloro-1(2,4-Dichlorophenyl) Vinyl-diethyl Phosphates	LT 7.87 -1	ug/l	HHG018
				UM25	2-Chloro-1(2,4-Dichlorophenyl) Vinyl-diethyl Phosphates	LT 1.90 1	ug/l	HHH010
				UM21	1,1,2,2-Tetrachloroethane	LT 1.50 0	ug/l	HHJ010
				UM21	Tetrachloroethene	LT 1.00 0	ug/l	HHJ010
				N8	Tetrachloroethene	LT 7.50 -1	ug/l	HHU018
				UM21	Trichloroethene	LT 1.00 0	ug/l	HHJ010
				N8	Trichloroethene	LT 5.60 -1	ug/l	HHU018
				UM21	Ortho- & Para-Xylene	LT 2.00 0	ug/l	HHJ010
				AV8	Ortho- & Para-Xylene	LT 1.36 0	ug/l	HHV018
				SS12	Zinc	LT 1.80 1	ug/l	HIC018
				UM21	1,1,1-Trichloroethane	LT 1.00 0	ug/l	HHJ011
				N8	1,1,1-Trichloroethane	LT 7.60 -1	ug/l	HHU019
				UM21	1,1,2-Trichloroethane	LT 1.00 0	ug/l	HHJ011
				N8	1,1,2-Trichloroethane	LT 7.80 -1	ug/l	HHU019
89271	SW36001TB	0	DTCH	UM21	1,1-Dichloroethene	LT 1.00 0	ug/l	HHJ011
				N8	1,1-Dichloroethene	LT 1.70 0	ug/l	HHU019
				UM21	1,1-Dichloroethane	LT 1.00 0	ug/l	HHJ011
				N8	1,1-Dichloroethane	LT 7.30 -1	ug/l	HHU019
				UM21	1,2-Dichloroethene	LT 5.00 0	ug/l	HHJ011
				N8	1,2-Dichloroethene	LT 7.60 -1	ug/l	HHU019
				UM21	1,2-Dichloroethane	LT 1.00 0	ug/l	HHJ011
				N8	1,2-Dichloroethane	LT 1.10 0	ug/l	HHU019
				UM21	1,2-Dichloropropane	LT 1.00 0	ug/l	HHJ011
				UM21	1,3-Dichlorobenzene	LT 1.00 0	ug/l	HHJ011
				UM21	1,3-Dichloropropane	LT 4.80 0	ug/l	HHJ011
				UM21	m-Xylene	LT 1.00 0	ug/l	HHJ011
				AV8	m-Xylene	LT 1.32 0	ug/l	HHV019

Note: Results for some parameters may appear in more than one analytical fraction.

Summary of Analytical Results

Surface Water Data - Fall 89'

Sampling Date	Station Number	Sample Depth (cm)	Sample Type	Method	Analytical Parameters	Results	Units	Sample Number
89271	SW36001TB	0	DTCH	UM21	2-Chloroethylvinyl Ether	LT 3.50 0	ug/l	HHJ011
				UM21	Acrylonitrile	LT 8.40 0	ug/l	HHJ011
				KK8	Aldrin	LT 5.00 -2	ug/l	HHO019
				UM25	Aldrin	LT 1.30 1	ug/l	HHH011
				00	ALKALINITY	LT 7.30 4	ug/l	HHW016
				AX8	Arsenic	LT 2.35 0	ug/l	HIB019
				UH11	Atrazine	LT 4.03 0	ug/l	HHG019
				UM25	Atrazine	LT 5.90 0	ug/l	HHH011
				P8	Bicycloheptadiene	LT 5.90 0	ug/l	HHF019
				UM21	Bromodichloromethane	LT 1.00 0	ug/l	HHJ011
				AAA8	Benzothiazole	LT 5.00 0	ug/l	HHC019
				UM21	Vinyl Chloride	LT 1.20 1	ug/l	HHJ011
				UM21	Chloroethane	LT 8.00 0	ug/l	HHJ011
				UM21	Benzene	LT 1.00 0	ug/l	HHJ011
				AV8	Benzene	LT 1.05 0	ug/l	HHV019
				SS12	Calcium	LT 1.05 2	ug/l	HIC019
				UM21	Trichlorofluoromethane	LT 1.00 0	ug/l	HHJ011
				UM21	Carbon Tetrachloride	LT 1.00 0	ug/l	HHJ011
				N8	Carbon Tetrachloride	LT 9.90 -1	ug/l	HHU019
				SS12	Cadmium	LT 6.78 0	ug/l	HIC019
				UM21	Methylene Chloride	LT 1.00 0	ug/l	HHJ011
				N8	Methylene Chloride	LT 7.40 0	ug/l	HHU019
				UM21	Bromomethane	LT 1.40 1	ug/l	HHJ011
				UM21	Chloromethane	LT 1.20 0	ug/l	HHJ011
				UM21	Bromoform	LT 1.10 1	ug/l	HHJ011
				UM21	Chloroform	LT 1.00 0	ug/l	HHJ011
				N8	Chloroform	LT 5.00 -1	ug/l	HHU019
				TT09	Chloride	LT 2.78 2	ug/l	HHZ019
				KK8	Hexachlorocyclopentadiene	LT 4.80 -2	ug/l	HHO019
				UM25	Hexachlorocyclopentadiene	LT 5.40 1	ug/l	HHH011
				UM21	Chlorobenzene	LT 1.00 0	ug/l	HHJ011
				N8	Chlorobenzene	LT 8.20 -1	ug/l	HHU019
				KK8	Chlordane	LT 9.50 -2	ug/l	HHO019
				UM25	Chlordane	LT 3.70 1	ug/l	HHH011

Note: Results for some parameters may appear in more than one analytical fraction.

Summary of Analytical Results

Surface Water Data - Fall 89'

Sampling Date	Station Number	Sample Depth (cm)	Sample Type	Method	Analytical Parameters	Results	Units	Sample Number
89271	SW36001TB	0	DTCH	AAA8	p-Chlorophenylmethyl Sulfide	LT 5.69 0	ug/l	HHC019
				UM25	p-Chlorophenylmethyl Sulfide	LT 1.00 1	ug/l	HHH011
				AAA8	p-Chlorophenylmethyl Sulfoxide	LT 1.15 1	ug/l	HHC019
				UM25	p-Chlorophenylmethyl Sulfoxide	LT 1.50 1	ug/l	HHH011
				AAA8	p-Chlorophenylmethyl Sulfone	LT 7.46 0	ug/l	HHC019
				UM25	p-Chlorophenylmethyl Sulfone	LT 5.30 0	ug/l	HHH011
				SS12	Chromium	LT 1.68 1	ug/l	HIC019
				SS12	Copper	LT 1.88 1	ug/l	HIC019
				TF20	Cyanide	LT 5.00 0	ug/l	HHX019
				UM25	Dibromochloropropane	LT 1.20 1	ug/l	HHH011
				AY8	Dibromochloropropane	LT 1.95 -1	ug/l	HHI019
				UM21	Dibromochloromethane	LT 1.00 0	ug/l	HHJ011
				UM21	1,4-Dichlorobenzene	LT 2.00 0	ug/l	HHJ011
				P8	Dicyclopentadiene	LT 5.00 0	ug/l	HHF019
				UM25	Dicyclopentadiene	LT 5.50 0	ug/l	HHH011
				UH11	Vapona	LT 3.84 -1	ug/l	HHG019
				UM25	Vapona	LT 8.50 0	ug/l	HHH011
				AT8	Diisopropylmethyl Phosphonate	LT 3.92 -1	ug/l	HHE019
				UM25	Diisopropylmethyl Phosphonate	LT 2.10 1	ug/l	HHH011
				AAA8	Dithiane	LT 1.34 0	ug/l	HHC019
				UM25	Dithiane	LT 3.30 0	ug/l	HHH011
				KK8	Dieldrin	LT 5.00 -2	ug/l	HHD019
				UM25	Dieldrin	LT 2.60 1	ug/l	HHH011
				AAA8	Dimethyldisulfide	LT 5.50 -1	ug/l	HHC019
				AT8	Dimethylmethyl Phosphate	LT 1.88 -1	ug/l	HHE019
				UM25	Dimethylmethyl Phosphate	LT 1.30 2	ug/l	HHH011
				KK8	Endrin	LT 5.00 -2	ug/l	HHD019
				UM25	Endrin	LT 1.80 1	ug/l	HHH011
				UM21	Ethylbenzene	LT 1.00 0	ug/l	HHJ011
				AV8	Ethylbenzene	LT 1.37 0	ug/l	HHV019
				TT09	Fluoride	LT 1.53 2	ug/l	HHZ019
				CC8	Mercury	LT 1.00 -1	ug/l	HIA019
				KK8	Isodrin	LT 5.10 -2	ug/l	HHD019
				UM25	Isodrin	LT 7.80 0	ug/l	HHH011

Note: Results for some parameters may appear in more than one analytical fraction.

Summary of Analytical Results

Surface Water Data - Fall 89'

Sampling Date	Station Number	Sample Depth (cm)	Sample Type	Method	Analytical Parameters	Results	Units	Sample Number
89271	SW36001TB	0	DTCH	SS12	Potassium	LT 1.24	3 ug/l	HIC019
				UM21	Toluene	LT 1.00	0 ug/l	HHJ011
				AV8	Toluene	LT 1.47	0 ug/l	HHV019
				UM21	Methylethyl Ketone	LT 1.00	1 ug/l	HHJ011
				SS12	Magnesium	LT 1.35	2 ug/l	HIC019
				P8	Methylisobutyl Ketone	LT 4.90	0 ug/l	HHF019
				UM21	Methylisobutyl Ketone	LT 1.40	0 ug/l	HHJ011
				UH11	Malathion	LT 3.73	-1 ug/l	HHG019
				UM25	Malathion	LT 2.10	1 ug/l	HHH011
				SS12	Sodium	LT 2.79	2 ug/l	HIC019
				LL8	Nitrite,Nitrate - Non specific	LT 1.00	1 ug/l	HHY019
				AAA8	1,4-Oxathiane	LT 2.38	0 ug/l	HHC019
				UM25	1,4-Oxathiane	LT 2.70	1 ug/l	HHH011
				SS12	Lead	LT 4.34	1 ug/l	HIC019
				KK8	Dichlorodiphenylethane	LT 5.40	-2 ug/l	HHD019
				UM25	Dichlorodiphenylethane	LT 1.40	1 ug/l	HHH011
				KK8	Dichlorodiphenyltrichloroethane	LT 4.90	-2 ug/l	HHD019
				UM25	Dichlorodiphenyltrichloroethane	LT 1.80	1 ug/l	HHH011
				UH11	Parathion	LT 6.47	-1 ug/l	HHG019
				UM25	Parathion	LT 3.70	1 ug/l	HHH011
				TT09	Sulfate	LT 1.75	2 ug/l	HHZ019
				UH11	2-Chloro-1(2,4-Dichlorophenyl) Vinyl-diethyl Phosphates	LT 7.87	-1 ug/l	HHG019
				UM25	2-Chloro-1(2,4-Dichlorophenyl) Vinyl-diethyl Phosphates	LT 1.90	1 ug/l	HHH011
				UM21	1,1,2,2-Tetrachloroethane	LT 1.50	0 ug/l	HHJ011
				UM21	Tetrachloroethene	LT 1.00	0 ug/l	HHJ011
				N8	Tetrachloroethene	LT 7.50	-1 ug/l	HHU019
				UM21	Trichloroethene	LT 1.00	0 ug/l	HHJ011
				N8	Trichloroethene	LT 5.60	-1 ug/l	HHU019
				UM21	Ortho- & Para-Xylene	LT 2.00	0 ug/l	HHJ011
				AV8	Ortho- & Para-Xylene	LT 1.36	0 ug/l	HHV019

Note: Results for some parameters may appear in more than one analytical fraction.

R. L. Stollar and Associates

Comprehensive Monitoring Program

02/02/90

Summary of Analytical Results

Surface Water Data - Fall 89'

Sampling Date	Station Number	Sample Depth (cm)	Sample Type	Method	Analytical Parameters	Results	Units	Sample Number
89271	SW36001TB	0	DTCH	SS12	Zinc	LT 1.80 1	ug/l	HIC019

Note: Results for some parameters may appear in more than one analytical fraction.

Summary of Analytical Results

Surface Water Sediment Samples - Fall 89

Sampling Date	Station Number	Sample Depth (cm)	Sample Type	Method	Analytical Parameters	Results	Units	Sample Number
89270	SW02006B	0.0	DTCH	ZZ9	Bicycloheptadiene	LT 5.08 0	ug/g	RHA009
				LL03	Benzothiazole	3.55 0	ug/g	RGA009
				LL03	p-Chlorophenylmethyl Sulfide	LT 1.08 0	ug/g	RGA009
				LL03	p-Chlorophenylmethyl Sulfoxide	LT 2.25 0	ug/g	RGA009
				LL03	p-Chlorophenylmethyl Sulfone	LT 2.37 0	ug/g	RGA009
				ZZ9	Dicyclopentadiene	LT 5.12 0	ug/g	RHA009
				TT9	Diisopropylmethyl Phosphonate	LT 1.14 -1	ug/g	PLD009
				LL03	Dithiane	LT 1.47 0	ug/g	RGA009
				LL03	Dimethyldisulfide	LT 6.92 -1	ug/g	RGA009
				TT9	Dimethylmethyl Phosphate	LT 1.33 -1	ug/g	PLD009
				ZZ9	Methylisobutyl Ketone	LT 5.24 0	ug/g	RHA009
				LL03	1,4-Oxathiane	LT 8.56 -1	ug/g	RGA009
				MK9	Aldrin	3.00 0	ug/g	QTI008
				AS9	Arsenic	LT 9.10 -1	ug/g	QWC008
				MK9	Hexachlorocyclopentadiene	ND 3.74 -3	ug/g	QTI008
89270	SW02006B	0.5	DTCH	MK9	Chlordane	LT 1.38 -2	ug/g	QTI008
				QQ9	Dibromochloropropane	LT 5.00 -3	ug/g	GTC008
				MK9	Dieldrin	3.50 0	ug/g	QTI008
				MK9	Endrin	2.90 -1	ug/g	QTI008
				AAA9	Fluoroacetic Acid	LT 2.00 0	ug/g	KRY011
				HG9	Mercury	4.90 0	ug/g	QUD008
				AAA9	Isopropylmethyl Phosphonic Acid	LT 2.11 0	ug/g	KRY011
				MK9	Isodrin	6.00 -2	ug/g	QTI008
				MK9	Dichlorodiphenylethane	6.20 -2	ug/g	QTI008
				MK9	Dichlorodiphenyltrichloroethane	LT 2.25 -3	ug/g	QTI008
				MK9	Aldrin	LT 2.59 -3	ug/g	QTI006
				AS9	Arsenic	LT 9.10 -1	ug/g	QWC006
				ZZ9	Bicycloheptadiene	LT 5.08 0	ug/g	RHA006
				LL03	Benzothiazole	LT 1.08 0	ug/g	RGA006
				MK9	Hexachlorocyclopentadiene	ND 3.74 -3	ug/g	QTI006
89269	SW08003B	0.5	STRM	MK9	Chlordane	LT 1.38 -2	ug/g	QTI006

Note: Results for some parameters may appear in more than one analytical fraction.

Summary of Analytical Results

Surface Water Sediment Samples - Fall 89

Sampling Date	Station Number	Sample Depth (cm)	Sample Type	Method	Analytical Parameters	Results	Units	Sample Number
89269	SW08003B	0.5	STRM	LL03	p-Chlorophenylmethyl Sulfide	LT 1.08 0	ug/g	RGA006
				LL03	p-Chlorophenylmethyl Sulfoxide	LT 2.25 0	ug/g	RGA006
				LL03	p-Chlorophenylmethyl Sulfone	LT 2.37 0	ug/g	RGA006
				QQ9	Dibromochloropropane	LT 5.00 -3	ug/g	GTC006
				ZZ9	Dicyclopentadiene	LT 5.12 0	ug/g	RHA006
				TT9	Diisopropylmethyl Phosphonate	LT 1.14 -1	ug/g	PLD006
				LL03	Dithiane	LT 1.47 0	ug/g	RGA006
				MK9	Dieldrin	3.20 -2	ug/g	QTI006
				LL03	Dimethyldisulfide	LT 6.92 -1	ug/g	RGA006
				TT9	Dimethylmethyl Phosphate	LT 1.33 -1	ug/g	PLD006
				MK9	Endrin	LT 2.00 -3	ug/g	QTI006
				AAA9	Fluoroacetic Acid	LT 2.00 0	ug/g	KRY006
				HG9	Mercury	LT 2.70 -2	ug/g	QUD006
				AAA9	Isopropylmethyl Phosphonic Acid	LT 2.11 0	ug/g	KRY006
				MK9	Isodrin	LT 1.69 -3	ug/g	QTI006
				ZZ9	Methylisobutyl Ketone	LT 5.24 0	ug/g	RHA006
				LL03	1,4-Oxathiane	LT 6.56 -1	ug/g	RGA006
				MK9	Dichlorodiphenylethane	LT 2.15 -3	ug/g	QTI006
				MK9	Dichlorodiphenyltrichloroethane	LT 2.25 -3	ug/g	QTI006
				MK9	Aldrin	LT 2.59 -3	ug/g	QTI007
				AS9	Arsenic	LT 9.10 -1	ug/g	QWC007
				ZZ9	Bicycloheptadiene	LT 5.08 0	ug/g	RHA007
				LL03	Benzothiazole	3.37 0	ug/g	RGA007
				MK9	Hexachlorocyclopentadiene	ND 3.74 -3	ug/g	QTI007
				MK9	Chlordane	LT 1.38 -2	ug/g	QTI007
				LL03	p-Chlorophenylmethyl Sulfide	LT 1.08 0	ug/g	RGA007
				LL03	p-Chlorophenylmethyl Sulfoxide	LT 2.25 0	ug/g	RGA007
				LL03	p-Chlorophenylmethyl Sulfone	LT 2.37 0	ug/g	RGA007
				QQ9	Dibromochloropropane	LT 5.00 -3	ug/g	GTC007
				ZZ9	Dicyclopentadiene	LT 5.12 0	ug/g	RHA007
				TT9	Diisopropylmethyl Phosphonate	LT 1.14 -1	ug/g	PLD007
				LL03	Dithiane	LT 1.47 0	ug/g	RGA007

Note: Results for some parameters may appear in more than one analytical fraction.

Summary of Analytical Results

Surface Water Sediment Samples - Fall 89

Sampling Date	Station Number	Sample Depth (cm)	Sample Type	Method	Analytical Parameters	Results	Units	Sample Number
89269	SW08003BD	0.5	STRM	MK9	Dieldrin	2.90 -2	ug/g	QTI007
				LL03	Dimethyldisulfide	LT 6.92 -1	ug/g	RGA007
				TT9	Dimethylmethyl Phosphate	LT 1.33 -1	ug/g	PLD007
				MK9	Endrin	LT 2.00 -3	ug/g	QTI007
				AAA9	Fluoroacetic Acid	LT 2.00 0	ug/g	KRY009
				HG9	Mercury	LT 2.70 -2	ug/g	QUD007
				AAA9	Isopropylmethyl Phosphonic Acid	LT 2.11 0	ug/g	KRY009
				MK9	Isodrin	LT 1.69 -3	ug/g	QTI007
				ZZ9	Methylisobutyl Ketone	LT 5.24 0	ug/g	RHA007
				LL03	1,4-Oxathiane	LT 6.56 -1	ug/g	RGA007
				MK9	Dichlorodiphenylethane	LT 2.15 -3	ug/g	QTI007
				MK9	Dichlorodiphenyltrichloroethane	LT 2.25 -3	ug/g	QTI007
89270	SW11001B	0.0	DTCH	MK9	Aldrin	LT 2.59 -3	ug/g	QTI009
				AS9	Arsenic	LT 9.10 -1	ug/g	QWC009
				ZZ9	Bicycloheptadiene	LT 5.06 0	ug/g	RHA008
				LL03	Benrothiazole	LT 1.06 0	ug/g	RGA008
				MK9	Hexachlorocyclopentadiene	ND 3.74 -3	ug/g	QTI009
				MK9	Chlordane	LT 1.36 -2	ug/g	QTI009
				LL03	p-Chlorophenylmethyl Sulfide	LT 1.06 0	ug/g	RGA008
				LL03	p-Chlorophenylmethyl Sulfoxide	LT 2.25 0	ug/g	RGA008
				LL03	p-Chlorophenylmethyl Sulfone	LT 2.37 0	ug/g	RGA008
				QQ9	Dibromochloropropane	LT 5.00 -3	ug/g	GTC009
				ZZ9	Dicyclopentadiene	LT 5.12 0	ug/g	RHA008
				TT9	Diisopropylmethyl Phosphonate	LT 1.14 -1	ug/g	PLD008
				LL03	Dithiane	LT 1.47 0	ug/g	RGA008
				MK9	Dieldrin	LT 1.93 -3	ug/g	QTI009
				LL03	Dimethyldisulfide	LT 6.92 -1	ug/g	RGA008
				TT9	Dimethylmethyl Phosphate	LT 1.33 -1	ug/g	PLD008
				MK9	Endrin	LT 2.00 -3	ug/g	QTI009
				AAA9	Fluoroacetic Acid	LT 2.00 0	ug/g	KRY010
				HG9	Mercury	LT 2.70 -2	ug/g	QUD009
				AAA9	Isopropylmethyl Phosphonic Acid	LT 2.11 0	ug/g	KRY010

Note: Results for some parameters may appear in more than one analytical fraction.

Summary of Analytical Results

Surface Water Sediment Samples - Fall 89

Sampling Date	Station Number	Sample Depth (cm)	Sample Type	Method	Analytical Parameters	Results	Units	Sample Number
89270	SW11001B	0.0	DTCH	MK9	Isodrin	LT 1.69 -3	ug/g	QTI009
				ZZ9	Methylisobutyl Ketone	LT 5.24 0	ug/g	RHA008
				LL03	1,4-Oxathiane	LT 8.56 -1	ug/g	RGA008
				MK9	Dichlorodiphenylethane	LT 2.15 -3	ug/g	QTI009
				MK9	Dichlorodiphenyltrichloro-ethane	LT 2.25 -3	ug/g	QTI009
89269	SW12005B	0.2	DTCH	MK9	Aldrin	LT 2.59 -3	ug/g	QTI005
				AS9	Arsenic	1.23 0	ug/g	QWC005
				ZZ9	Bicycloheptadiene	LT 5.08 0	ug/g	RHA005
				LL03	Benzothiazole	LT 1.08 0	ug/g	RGA005
				MK9	Hexachlorocyclopentadiene	ND 3.74 -3	ug/g	QTI005
				MK9	Chlordane	LT 1.38 -2	ug/g	QTI005
				LL03	p-Chlorophenylmethyl Sulfide	LT 1.08 0	ug/g	RGA005
				LL03	p-Chlorophenylmethyl Sulfoxide	LT 2.25 0	ug/g	RGA005
				LL03	p-Chlorophenylmethyl Sulfone	LT 2.37 0	ug/g	RGA005
				QQ9	Dibromochloropropane	LT 5.00 -3	ug/g	GTC005
				ZZ9	Dicyclopentadiene	LT 5.12 0	ug/g	RHA005
				TT9	Diisopropylmethyl Phosphonate	LT 1.14 -1	ug/g	PLD005
				LL03	Dithiane	LT 1.47 0	ug/g	RGA005
				MK9	Dieldrin	6.94 -3	ug/g	QTI005
				LL03	Dimethyldisulfide	LT 6.92 -1	ug/g	RGA005
				TT9	Dimethylmethyl Phosphate	5.34 -1	ug/g	PLD005
				MK9	Endrin	LT 2.00 -3	ug/g	QTI005
				AAA9	Fluoroacetic Acid	LT 2.00 0	ug/g	KRY007
				HG9	Mercury	LT 2.70 -2	ug/g	QUD005
				AAA9	Isopropylmethyl Phosphonic Acid	LT 2.11 0	ug/g	KRY007
				MK9	Isodrin	LT 1.69 -3	ug/g	QTI005
				ZZ9	Methylisobutyl Ketone	LT 5.24 0	ug/g	RHA005
				LL03	1,4-Oxathiane	LT 8.56 -1	ug/g	RGA005
				MK9	Dichlorodiphenylethane	LT 2.15 -3	ug/g	QTI005
				MK9	Dichlorodiphenyltrichloro-ethane	LT 2.25 -3	ug/g	QTI005

Note: Results for some parameters may appear in more than one analytical fraction.

Summary of Analytical Results

Surface Water Sediment Samples - Fall 89

Sampling Date	Station Number	Sample Depth (cm)	Sample Type	Method	Analytical Parameters	Results	Units	Sample Number
89271	SW36001B	0.0	DTCH	SV9	Aldrin	1.65	1 ug/g	QVM002
				SV9	Atrazine	LT 1.86	0 ug/g	QVM002
				SV9	Hexachlorocyclopentadiene	LT 7.04	-1 ug/g	QVM002
				SV9	Chlordane	2.58	0 ug/g	QVM002
				SV9	p-Chlorophenylmethyl Sulfide	LT 2.66	-1 ug/g	QVM002
				SV9	p-Chlorophenylmethyl Sulfoxide	LT 1.11	0 ug/g	QVM002
				SV9	p-Chlorophenylmethyl Sulfone	LT 6.66	-1 ug/g	QVM002
				SV9	Dibromochloropropane	LT 3.63	-1 ug/g	QVM002
				SV9	Dicyclopentadiene	LT 4.50	-1 ug/g	QVM002
				SV9	Diisopropylmethyl Phosphonate	LT 2.66	-1 ug/g	QVM002
				SV9	Dithiane	LT 8.89	-1 ug/g	QVM002
				SV9	Dieldrin	2.36	1 ug/g	QVM002
				SV9	Endrin	LT 2.66	-1 ug/g	QVM002
				SV9	Isodrin	4.80	-1 ug/g	QVM002
				SV9	Malathion	LT 8.84	-1 ug/g	QVM002
				SV9	1,4-Oxathiane	LT 1.21	0 ug/g	QVM002
				SV9	Dichlorodiphenylethane	LT 5.13	-1 ug/g	QVM002
				SV9	Dichlorodiphenyltrichloroethane	2.22	0 ug/g	QVM002
				SV9	Parathion	LT 5.43	-1 ug/g	QVM002
				SV9	2-Chloro-1(2,4-Dichlorophenyl) Vinyl-diethyl Phosphates	LT 1.72	-1 ug/g	QVM002
				MK9	Aldrin	3.70	1 ug/g	QTI010
89271	SW36001B	0.2	DTCH	AS9	Arsenic	1.90	1 ug/g	QWC010
				ZZ9	Bicycloheptadiene	LT 5.08	0 ug/g	RHA010
				LL03	Benrothiarole	LT 1.08	0 ug/g	RGA010
				MK9	Hexachlorocyclopentadiene	ND 3.74	-3 ug/g	QTI010
				MK9	Chlordane	LT 1.38	-2 ug/g	QTI010
				LL03	p-Chlorophenylmethyl Sulfide	LT 1.08	0 ug/g	RGA010
				LL03	p-Chlorophenylmethyl Sulfoxide	LT 2.25	0 ug/g	RGA010
				LL03	p-Chlorophenylmethyl Sulfone	LT 2.37	0 ug/g	RGA010
				QQ9	Dibromochloropropane	LT 5.00	-3 ug/g	GTC010
				ZZ9	Dicyclopentadiene	LT 5.12	0 ug/g	RHA010

Note: Results for some parameters may appear in more than one analytical fraction.

Summary of Analytical Results

Surface Water Sediment Samples - Fall 89

Sampling Date	Station Number	Sample Depth (cm)	Sample Type	Method	Analytical Parameters	Results	Units	Sample Number
89271	SW36001B	0.2	DTCH	TT9	Diisopropylmethyl Phosphonate	LT 1.14 -1	ug/g	PLD010
				LL03	Dithiane	LT 1.47 0	ug/g	RGA010
				MK9	Dieldrin	1.80 1	ug/g	QTI010
				LL03	Dimethyldisulfide	LT 6.92 -1	ug/g	RGA010
				TT9	Dimethylmethyl Phosphate	LT 1.33 -1	ug/g	PLD010
				MK9	Endrin	1.80 1	ug/g	QTI010
				AAA9	Fluoroacetic Acid	LT 2.00 0	ug/g	KRY012
				HG9	Mercury	5.70 -1	ug/g	QUD010
				AAA9	Isopropylmethyl Phosphonic Acid	LT 2.11 0	ug/g	KRY012
				MK9	Isodrin	3.30 0	ug/g	QTI010
				ZZ9	Methylisobutyl Ketone	LT 5.24 0	ug/g	RHA010
				LL03	1,4-Oxathiane	LT 8.56 -1	ug/g	RGA010
				MK9	Dichlorodiphenylethane	4.90 -1	ug/g	QTI010
				MK9	Dichlorodiphenyltrichloroethane	LT 2.25 -3	ug/g	QTI010

Note: Results for some parameters may appear in more than one analytical fraction.

APPENDIX B-5

Ion Balance Calculations

ION BALANCE CALCULATIONS

SITE/DATE : SW01005 18-Apr-89

SPECIES	MG/L	MEQ/L	% TOTAL MEQ/L
CA	44.40	2.22	42.52
MG	13.50	1.12	21.37
K	3.50	0.09	1.71
NA	41.30	1.80	34.39
CATION TOTAL		5.22	100.00
SO4	71.00	1.48	22.45
CL	33.00	0.93	14.15
NO3 MG/L-N	0.06	0.00	0.07
FL	1.00	0.05	0.80
HCO3	226.92	3.72	56.46
CO3	12.00	0.40	6.07
ANION TOTAL		6.59	100.00

CHARGE-BALANCE ERROR (%) : 11.58
pH : 8.13

ION BALANCE CALCULATIONS

SITE/DATE : SW02003 18-Apr-89

SPECIES	MG/L	MEQ/L	% TOTAL MEQ/L
CA	43.50	2.18	32.88
MG	18.80	1.55	23.49
K	2.50	0.06	0.97
NA	64.90	2.82	42.66
CATION TOTAL		6.61	100.00
SO4	93.00	1.94	31.12
CL	46.00	1.30	20.87
NO3 MG/L-N	0.07	0.01	0.08
FL	1.20	0.06	1.01
HCO3	156.65	2.57	41.25
CO3	10.56	0.35	5.65
ANION TOTAL		6.23	100.00

CHARGE-BALANCE ERROR (%) : -3.03
pH : 8.73

ION BALANCE CALCULATIONS

SITE/DATE : SW02004 19-Apr-89

SPECIES	MG/L	MEQ/L	% TOTAL MEQ/L
CA	40.30	2.01	29.82
MG	15.10	1.25	18.47
K	3.38	0.09	1.28
NA	78.40	3.41	50.44
CATION TOTAL		6.76	100.00
SO4	76.00	1.58	23.06
CL	60.00	1.69	24.69
NO3 MG/L-N	0.07	0.01	0.07
FL	1.18	0.06	0.90
HCO3	143.96	2.36	34.38
CO3	34.80	1.16	16.90
ANION TOTAL		6.87	100.00

CHARGE-BALANCE ERROR (%) : 0.79
pH : 8.78

ION BALANCE CALCULATIONS

SITE/DATE : SW02006 27-Apr-89

SPECIES	MG/L	MEQ/L	% TOTAL MEQ/L
CA	34.00	1.70	28.52
MG	14.80	1.22	20.56
K	2.35	0.06	1.01
NA	68.20	2.97	49.85
CATION TOTAL		5.95	100.00
SO4	89.00	1.85	31.60
CL	48.00	1.36	23.11
NO3 MG/L-N	0.17	0.01	0.21
FL	1.23	0.06	1.10
HCO3	118.34	1.94	33.07
CO3	19.20	0.64	10.91
ANION TOTAL		5.87	100.00

CHARGE-BALANCE ERROR (%) : -0.69
pH : 8.74

ION BALANCE CALCULATIONS

SITE/DATE : SW07001 27-Apr-89

SPECIES	MG/L	MEQ/L	% TOTAL MEQ/L
CA	44.30	2.22	35.10
MG	12.10	1.00	15.85
K	7.98	0.20	3.23
NA	66.50	2.89	45.82
CATION TOTAL		6.31	100.00
SO4	68.00	1.42	22.72
CL	53.00	1.50	24.01
NO3 MG/L-N	3.30	0.24	3.78
FL	1.63	0.09	1.38
HCO3	183.00	3.00	48.11
CO3	0.00	0.00	0.00
ANION TOTAL		6.24	100.00

CHARGE-BALANCE ERROR (%) : -0.60
pH : 8.09

ION BALANCE CALCULATIONS

SITE/DATE : SW08001 25-Apr-89

SPECIES	MG/L	MEQ/L	% TOTAL MEQ/L
CA	80.10	4.01	50.22
MG	17.30	1.43	17.93
K	3.78	0.10	1.21
NA	56.20	2.44	30.64
CATION TOTAL		7.97	100.00
SO4	90.00	1.88	22.84
CL	32.00	0.90	11.01
NO3 MG/L-N	0.10	0.01	0.09
FL	1.22	0.06	0.78
HCO3	290.36	4.76	57.98
CO3	18.00	0.60	7.31
ANION TOTAL		8.21	100.00

CHARGE-BALANCE ERROR (%) : 1.45
pH : 8.74

ION BALANCE CALCULATIONS

SITE/DATE : SW08003 25-Apr-89

SPECIES	MG/L	MEQ/L	% TOTAL MEQ/L
CA	88.90	4.45	50.59
MG	18.80	1.55	17.68
K	3.78	0.10	1.10
NA	61.90	2.69	30.63
CATION TOTAL		8.79	100.00
SO4	94.00	1.96	22.42
CL	33.00	0.93	10.67
NO3 MG/L-N	0.28	0.02	0.23
FL	1.20	0.06	0.72
HCO3	351.36	5.76	65.95
CO3	0.00	0.00	0.00
ANION TOTAL		8.73	100.00

CHARGE-BALANCE ERROR (%) : -0.30
pH : 8.21

ION BALANCE CALCULATIONS

SITE/DATE : SW11002 26-Apr-89

SPECIES	MG/L	MEQ/L	% TOTAL MEQ/L
CA	23.70	1.19	47.48
MG	3.73	0.31	12.35
K	4.52	0.12	4.63
NA	20.40	0.89	35.54
CATION TOTAL		2.50	100.00
SO4	31.00	0.65	27.98
CL	17.00	0.48	20.80
NO3 MG/L-N	0.05	0.00	0.15
FL	0.74	0.04	1.69
HCO3	28.06	0.46	19.93
CO3	20.40	0.68	29.46
ANION TOTAL		2.31	100.00

CHARGE-BALANCE ERROR (%) : -3.90
pH : 9.96

ION BALANCE CALCULATIONS

SITE/DATE : SW11003 25-Apr-89

SPECIES	MG/L	MEQ/L	% TOTAL MEQ/L
CA	18.40	0.92	13.46
MG	1.71	0.14	2.07
K	4.81	0.12	1.80
NA	130.00	5.65	82.68
CATION TOTAL		6.84	100.00
SO4	27.00	0.56	10.15
CL	140.00	3.95	71.33
NO3 MG/L-N	0.30	0.02	0.39
FL	0.87	0.05	0.83
HCO3	14.64	0.24	4.33
CO3	21.60	0.72	12.99
ANION TOTAL		5.54	100.00

CHARGE-BALANCE ERROR (%) : -10.44
pH : 9.95

ION BALANCE CALCULATIONS

SITE/DATE : SW12001 20-Apr-89

SPECIES	MG/L	MEQ/L	% TOTAL MEQ/L
CA	75.80	3.79	41.78
MG	22.70	1.88	20.68
K	2.95	0.08	0.83
NA	76.60	3.33	36.71
CATION TOTAL		9.07	100.00
SO4	110.00	2.29	27.70
CL	36.00	1.02	12.29
NO3 MG/L-N	3.50	0.25	3.02
FL	1.40	0.07	0.89
HCO3	283.04	4.64	56.09
CO3	0.00	0.00	0.00
ANION TOTAL		8.27	100.00

CHARGE-BALANCE ERROR (%) : -4.61
pH : 8.19

ION BALANCE CALCULATIONS

SITE/DATE : SW12003 20-Apr-89

SPECIES	MG/L	MEQ/L	% TOTAL MEQ/L
CA	110.00	5.50	39.00
MG	42.50	3.51	24.91
K	12.00	0.31	2.18
NA	110.00	4.78	33.91
CATION TOTAL		14.10	100.00
SO4	240.00	5.00	36.92
CL	80.00	2.26	16.68
NO3 MG/L-N	0.39	0.03	0.21
FL	1.84	0.10	0.71
HCO3	375.76	6.16	45.48
CO3	0.00	0.00	0.00
ANION TOTAL		13.54	100.00

CHARGE-BALANCE ERROR (%) : -2.02
pH : 7.50

ION BALANCE CALCULATIONS

SITE/DATE : SW12004 19-Apr-89

SPECIES	MG/L	MEQ/L	% TOTAL MEQ/L
CA	30.50	1.53	50.04
MG	5.23	0.43	14.18
K	10.00	0.26	8.39
NA	19.20	0.83	27.39
CATION TOTAL		3.05	100.00
SO4	36.00	0.75	26.63
CL	15.00	0.42	15.05
NO3 MG/L-N	0.38	0.03	0.96
FL	1.81	0.10	3.38
HCO3	92.72	1.52	53.97
CO3	0.00	0.00	0.00
ANION TOTAL		2.82	100.00

CHARGE-BALANCE ERROR (%) : -3.95
pH : 7.16

ION BALANCE CALCULATIONS

SITE/DATE : SW12005 17-Apr-89

SPECIES	MG/L	MEQ/L	% TOTAL MEQ/L
CA	65.60	3.28	39.92
MG	21.20	1.75	21.32
K	3.31	0.08	1.03
NA	71.30	3.10	37.73
CATION TOTAL		8.22	100.00
SO4	110.00	2.29	27.73
CL	36.00	1.02	12.30
NO3 MG/L-N	3.00	0.21	2.59
FL	1.42	0.07	0.90
HCO3	247.42	4.06	49.07
CO3	18.36	0.61	7.40
ANION TOTAL		8.27	100.00

CHARGE-BALANCE ERROR (%) : 0.30
pH : 8.90

ION BALANCE CALCULATIONS

SITE/DATE : SW24002 21-Apr-89

SPECIES	MG/L	MEQ/L	% TOTAL MEQ/L
CA	89.30	4.47	36.52
MG	29.30	2.42	19.84
K	3.94	0.10	0.83
NA	120.00	5.22	42.75
CATION TOTAL		12.20	100.00
SO4	230.00	4.79	37.97
CL	54.00	1.53	12.09
NO3 MG/L-N	0.09	0.01	0.05
FL	1.63	0.09	0.62
HCO3	352.00	5.77	45.73
CO3	13.20	0.44	3.49
ANION TOTAL		12.62	100.00

CHARGE-BALANCE ERROR (%) : 1.67
pH : 8.60

ION BALANCE CALCULATIONS

SITE/DATE : SW24003 21-Apr-89

SPECIES	MG/L	MEQ/L	% TOTAL MEQ/L
CA	110.00	5.50	25.34
MG	63.50	5.25	24.18
K	3.26	0.08	0.38
NA	250.00	10.87	50.09
CATION TOTAL		21.70	100.00
SO4	450.00	9.38	52.04
CL	240.00	6.78	37.63
NO3 MG/L-N	0.24	0.02	0.10
FL	2.37	0.12	0.69
HCO3	73.20	1.20	6.66
CO3	15.60	0.52	2.89
ANION TOTAL		18.02	100.00

CHARGE-BALANCE ERROR (%) : -9.28
pH : 8.45

ION BALANCE CALCULATIONS

SITE/DATE : SW24004 24-Apr-89

SPECIES	MG/L	MEQ/L	% TOTAL MEQ/L
CA	89.10	4.46	34.91
MG	30.90	2.55	20.01
K	4.00	0.10	0.80
NA	130.00	5.65	44.22
CATION TOTAL		12.76	100.00
SO4	240.00	5.00	51.82
CL	55.00	1.55	16.12
NO3 MG/L-N	0.08	0.01	0.06
FL	1.50	0.02	0.82
HCO3	183.00	3.00	31.13
CO3	0.00	0.00	0.00
ANION TOTAL		9.64	100.00

CHARGE-BALANCE ERROR (%) : -13.95
pH : 5.96

ION BALANCE CALCULATIONS

SITE/DATE : SW31001 24-Apr-89

SPECIES	MG/L	MEQ/L	% TOTAL MEQ/L
CA	58.10	2.91	30.44
MG	27.90	2.31	24.16
K	3.78	0.10	1.01
NA	97.40	4.23	44.38
CATION TOTAL		9.54	100.00
SO4	130.00	2.71	27.91
CL	44.00	1.24	12.81
NO3 MG/L-N	5.20	0.37	3.83
FL	1.95	0.10	1.06
HCO3	312.32	5.12	52.75
CO3	4.80	0.16	1.65
ANION TOTAL		9.71	100.00

CHARGE-BALANCE ERROR (%) : 0.85
pH : 8.68

ION BALANCE CALCULATIONS

SITE/DATE : SW31002 25-Apr-89

SPECIES	MG/L	MEQ/L	% TOTAL MEQ/L
CA	83.70	4.19	41.04
MG	23.90	1.98	19.37
K	4.37	0.11	1.10
NA	90.30	3.93	38.50
CATION TOTAL		10.20	100.00
SO4	150.00	3.13	29.91
CL	44.00	1.24	11.90
NO3 MG/L-N	0.08	0.01	0.03
FL	1.39	0.07	0.70
HCO3	366.00	6.00	57.43
CO3	0.00	0.00	0.00
ANION TOTAL		10.45	100.00

CHARGE-BALANCE ERROR (%) : 1.20
pH : 8.18

ION BALANCE CALCULATIONS

SITE/DATE : SW36001 28-Apr-89

SPECIES	MG/L	MEQ/L	% TOTAL MEQ/L
CA	66.60	3.33	28.69
MG	25.50	2.11	18.16
K	3.21	0.08	0.71
NA	140.00	6.09	52.44
CATION TOTAL		11.61	100.00
SO4	56.00	1.17	9.89
CL	110.00	3.11	26.34
NO3 MG/L-N	0.06	0.00	0.04
FL	2.22	0.12	0.99
HCO3	451.40	7.40	62.74
CO3	0.00	0.00	0.00
ANION TOTAL		11.80	100.00

CHARGE-BALANCE ERROR (%) : 0.81
pH : 7.79

ION BALANCE CALCULATIONS

SITE/DATE : SW37001 20-Apr-89

SPECIES	MG/L	MEQ/L	% TOTAL MEQ/L
CA	90.40	4.52	26.25
MG	41.70	3.45	20.02
K	4.66	0.12	0.69
NA	210.00	9.13	53.03
CATION TOTAL		17.22	100.00
SO4	320.00	6.67	43.61
CL	130.00	3.67	24.02
NO3 MG/L-N	0.01	0.00	0.00
FL	2.05	0.11	0.71
HCO3	256.20	4.20	27.47
CO3	19.20	0.64	4.19
ANION TOTAL		15.29	100.00

CHARGE-BALANCE ERROR (%) : -5.93
pH : 8.72

ION BALANCE CALCULATIONS

SITE/DATE : GW Well 01047 - Spring 1989

SPECIES	MG/L	MEQ/L	% TOTAL MEQ/L
CA	96.20	4.81	21.64
MG	25.50	2.11	9.48
K	3.68	0.09	0.42
NA	350.00	15.22	68.46
CATION TOTAL		22.23	100.00
SO4	450.00	9.38	47.79
CL	220.00	6.21	31.68
NO3 MG/L-N	5.70	0.41	2.08
FL	2.09	0.11	0.56
HCO3	214.00	3.51	17.89
CO3	0.00	0.00	0.00
ANION TOTAL		19.62	100.00

CHARGE-BALANCE ERROR (%) : -6.25
Ph : 7.30

ION BALANCE CALCULATIONS

SITE/DATE : GW Well 01073 - Spring 1989

SPECIES	MG/L	MEQ/L	% TOTAL MEQ/L
CA	47.90	2.40	25.04
MG	17.70	1.46	15.29
K	2.16	0.06	0.52
NA	130.00	5.65	59.03
CATION TOTAL		9.57	100.00
SO4	98.00	2.04	19.27
CL	64.00	1.81	17.07
NO3 MG/L-N	0.39	0.03	0.25
FL	3.01	0.16	1.50
HCO3	400.00	6.56	61.90
CO3	0.00	0.00	0.00
ANION TOTAL		10.59	100.00

CHARGE-BALANCE ERROR (%) : 5.10
Ph : 7.49

ION BALANCE CALCULATIONS

SITE/DATE : GW Well 01074 - Spring 1989

SPECIES	MG/L	MEQ/L	% TOTAL MEQ/L
CA	58.00	2.90	39.23
MG	17.20	1.42	19.23
K	2.92	0.07	1.01
NA	68.90	3.00	40.53
CATION TOTAL		7.39	100.00
SO4	77.00	1.60	20.35
CL	32.00	0.90	11.47
NO3 MG/L-N	0.63	0.05	0.57
FL	1.00	0.05	0.66
HCO3	322.00	5.28	66.95
CO3	0.00	0.00	0.00
ANION TOTAL		7.88	100.00

CHARGE-BALANCE ERROR (%) : 3.22
Ph : 7.53

ION BALANCE CALCULATIONS

SITE/DATE : GW Well 02034 - Spring 1989

SPECIES	MG/L	MEQ/L	% TOTAL MEQ/L
CA	84.30	4.22	31.88
MG	18.70	1.55	11.69
K	2.65	0.07	0.51
NA	170.00	7.39	55.91
CATION TOTAL		13.22	100.00
SO4	160.00	3.33	19.61
CL	90.00	2.54	14.96
NO3 MG/L-N	17.00	1.21	7.14
FL	1.99	0.10	0.62
HCO3	598.00	9.20	57.67
CO3	0.00	0.00	0.00
ANION TOTAL		17.00	100.00

CHARGE-BALANCE ERROR (%) : 12.50
Ph : 7.42

ION BALANCE CALCULATIONS

SITE/DATE : GW Well 02055 - Spring 1989

SPECIES	MG/L	MEQ/L	% TOTAL MEQ/L
CA	126.00	6.30	45.37
MG	22.40	1.85	13.33
K	3.24	0.08	0.60
NA	130.00	5.65	40.70
CATION TOTAL		13.89	100.00
SO4	230.00	4.79	30.71
CL	140.00	3.95	25.35
NO3 MG/L-N	>0.01	0.00	0.00
FL	1.32	0.07	0.45
HCO3	414.00	6.79	43.50
CO3	0.00	0.00	0.00
ANION TOTAL		15.60	100.00

CHARGE-BALANCE ERROR (%) : 5.82
Ph : 7.51

ION BALANCE CALCULATIONS

SITE/DATE : GW Well 02056 - Spring 1989

SPECIES	MG/L	MEQ/L	% TOTAL MEQ/L
CA	130.00	6.50	45.10
MG	26.70	2.21	15.31
K	2.04	0.05	0.35
NA	130.00	5.65	39.22
CATION TOTAL		14.41	100.00
SO4	160.00	3.33	21.75
CL	60.00	1.69	11.05
NO3 MG/L-N	23.00	1.64	10.72
FL	1.54	0.08	0.53
HCO3	523.00	8.57	55.94
CO3	0.00	0.00	0.00
ANION TOTAL		15.33	100.00

CHARGE-BALANCE ERROR (%) : 3.08
Ph : 7.62

ION BALANCE CALCULATIONS

SITE/DATE : GW Well 02059 - Spring 1989

SPECIES	MG/L	MEQ/L	% TOTAL MEQ/L
CA	66.80	3.34	49.94
MG	16.40	1.36	20.27
K	1.76	0.05	0.67
NA	44.80	1.95	29.12
CATION TOTAL		6.69	100.00
SO4	76.00	1.58	13.83
CL	47.00	1.33	11.60
NO3 MG/L-N	>0.01	0.00	0.01
FL	1.81	0.10	0.83
HCO3	515.00	8.44	73.74
CO3	0.00	0.00	0.00
ANION TOTAL		11.45	100.00

CHARGE-BALANCE ERROR (%) : 26.25
Ph : 7.60

ION BALANCE CALCULATIONS

SITE/DATE : GW Well 02060 - Spring 1989

SPECIES	MG/L	MEQ/L	% TOTAL MEQ/L
CA	44.70	2.24	19.88
MG	3.32	0.27	2.44
K	1.44	0.04	0.33
NA	200.00	8.70	77.35
CATION TOTAL		11.24	100.00
SO4	96.00	2.00	23.22
CL	21.00	0.59	6.29
NO3 MG/L-N	0.14	0.01	0.11
FL	1.10	0.06	0.67
HCO3	363.00	5.95	69.10
CO3	0.00	0.00	0.00
ANION TOTAL		8.61	100.00

CHARGE-BALANCE ERROR (%) : -13.25
Ph : 7.81

ION BALANCE CALCULATIONS

SITE/DATE : GW Well 24188 - Spring 1989

SPECIES	MG/L	MEQ/L	% TOTAL MEQ/L
CA	400.00	20.00	33.13
MG	140.00	11.57	19.16
K	4.35	0.11	0.18
NA	660.00	28.70	47.53
CATION TOTAL		60.38	100.00
SO4	2000.00	41.67	71.23
CL	250.00	7.06	12.07
NO3 MG/L-N	0.28	0.02	0.03
FL	3.90	0.21	0.35
HCO3	582.00	9.54	16.31
CO3	0.00	0.00	0.00
ANION TOTAL		58.50	100.00

CHARGE-BALANCE ERROR (%) : -1.58
Ph : 7.36

ION BALANCE CALCULATIONS

SITE/DATE : GW Well 31016 - Spring 1989

SPECIES	MG/L	MEQ/L	% TOTAL MEQ/L
CA	96.10	4.81	31.75
MG	34.30	2.83	18.73
K	4.11	0.11	0.69
NA	170.00	7.39	48.83
CATION TOTAL		15.14	100.00
SO4	230.00	4.79	38.84
CL	74.00	2.09	16.95
NO3 MG/L-N	>0.01	0.00	0.01
FL	2.07	0.11	0.82
HCO3	326.00	5.34	43.32
CO3	0.00	0.00	0.00
ANION TOTAL		12.34	100.00

CHARGE-BALANCE ERROR (%) : -10.19
Ph : 7.58

APPENDIX B-6

Water Quality Field Data

COMPREHENSIVE MONITORING PROJECT/ROCKY MOUNTAIN ARSENAL
SURFACE-WATER SAMPLING FIELD DATA SHEET

Page 1 of 1

Site ID Number SW01001	Hydrogeologist(s) KH JK LB	Sample Numbers (range) K2496 - K2529 K2598 - K2621 (TB)	Date 8/11/89 4/27/89
Analytical Equipment pH Meter: <input checked="" type="checkbox"/> Beckman pH 21 <input type="checkbox"/> Omega pH-465A <input type="checkbox"/> Orion SA250 <input type="checkbox"/> Other _____ Serial No. 045035 Conductivity Meter: <input checked="" type="checkbox"/> YSI Model 33 <input type="checkbox"/> Other _____ Serial No. 16596 Dissolved Oxygen Meter: <input type="checkbox"/> YSI Model 51B Serial No. _____ Temperature Meter: <input checked="" type="checkbox"/> Beckman <input type="checkbox"/> Other _____ Serial No. 045035 Filtration Equipment: <input checked="" type="checkbox"/> Geotech Parastatic Pump <input checked="" type="checkbox"/> Geotech 0.45 micron filter	Meter Calibration pH 7.00 = <u>7.06</u> at <u>9.5</u> °C <u>1206</u> Time pH 10.00 = <u>10.11</u> at <u>9.2</u> °C <u>12:07</u> Time Conductance Standard: <u>1000</u> umhos/cm at 25°C Measured Value: <u>620</u> umhos/cm at <u>10.5</u> °C <u>1200</u> Time Calculated Conductivity = Measured Conductance + (0.02 (measured conductance) (25°C - Actual Temp)) <u>5</u> <u>137.8</u> <u>799.8</u> <u>beh</u> <u>89118</u> Time umhos/cm at 25°C <u>1200</u> Dissolved Oxygen <u>NA</u> mg/l at <u>NA</u> °C <u>NA</u> Time	Discharge (CFS) NA NO DISCHARGE POSSIBLE Measurement # NA Equipment Used LONG-THROATED FLUME Serial No. NA Staff Gauge Reading 0.04' Sampling Method GRAB Sample Type STRM Conductivity / TEMP 410 11.5°C umhos/cm pH 9.04 TEMP 10.0 Dissolved O ₂ / TEMP / TIME NA mg/liter	
	Titration Results (Acid Concentration) <input type="checkbox"/> 0.16, <input checked="" type="checkbox"/> 1.6 pH <u>8.3</u> <u>4.8</u> <u>4.5</u> (7.0) #Clicks <u>10</u> <u>170</u> <u>174</u> <u>63</u> Color <u>clear</u> <u>pink</u> <u>pink</u> <u>green</u>		

Sample Location Description
WATER SAMPLED IN NOTCH OF WEIR; SEDIMENT SAMPLED 1 FT UPSTREAM OF WEIR

Appearance of Stream or Lake
LOW FLOW, FREE OF DEBRIS

Appearance of Sample
LT BROWN

Condition of Station
GOOD BUT STEVENS TYPE F METER INOPERABLE

Current Weather Condition
CD-1-D 45°F LIGHT WINDS 0-SMPH RAIN (SNOW) THREATENS 12:40 OF 8/11/89 12:10 HAIL BEGINS

Previous Precipitation
LT RAIN + HAIL DURING SAMPLING; NOTHING FOR 3 DAYS PREVIOUS

ANALYSIS REQUESTED	TARGET	GC/MS	SEDIMENT	TRIP BLANK TARGET	TB GC/MS											Remarks: TRIP BLANK DONE FLUME WOULD NOT WORK ON THIS LOW A FLOOD, NO DISCHARGE TAKEN Sampler Signature: <u>Kim G. [Signature]</u>
	X	X	X	X	X											

COMPREHENSIVE MONITORING PROJECT/ROCKY MOUNTAIN ARSENAL
SURFACE-WATER SAMPLING FIELD DATA SHEET

Page 1 of 1

Site ID Number SW01001	Hydrogeologist(s) TG, SEG	Sample Numbers (range) L4097- L4113	Date 8/26/99
Analytical Equipment pH Meter: <input checked="" type="checkbox"/> Beckman pH 21 <input type="checkbox"/> Omega pH465A <input type="checkbox"/> Orion SA250 <input type="checkbox"/> Other _____ Serial No. 015781 Conductivity Meter: <input checked="" type="checkbox"/> YSI Model 33 <input type="checkbox"/> Other _____ Serial No. 13076 Dissolved Oxygen Meter: <input type="checkbox"/> YSI Model 51B Serial No. NA Temperature Meter: <input checked="" type="checkbox"/> Beckman <input type="checkbox"/> Other _____ Serial No. 015781 Filtration Equipment: <input type="checkbox"/> Geotech Peristaltic Pump <input type="checkbox"/> Geotech 0.45 micron filter	Motor Calibration pH 7.00 = 7.01 ± 20.5 °C 1128 Time pH 10.00 = 10.06 ± 20.8 °C 1127 Time Conductance Standard: 1434 umhos/cm at 21.6 °C Time Measured Value: 1180 umhos/cm ± 23.5 °C 1129 Time Calibrated Conductivity = Measured Conductance + (0.02 (measured conductance) (25°C - Actual Temp)): 1135 umhos/cm at 25°C 1129 Time Dissolved Oxygen NA mg/L ± NA °C NA Time		Discharge (CFS) UNABLE TO GET READING Measurement # NA Equipment Used 100mm LONG THROATED FLOW NA Serial No. Staff Gauge Reading .19 @ 1127
	Titration Results (Acid Concentration) <input type="checkbox"/> 0.1N <input type="checkbox"/> 1.0N pH 8.3 4.8 4.5 (7.0)		Sampling Method GRAB
	#Clcks Color NA		Sample Type OT-8906 STRM DIRTY
	Conductivity / TEMP / TIME 470 / 16.5°C / 1152 umhos/cm		
	pH 8.46 TEMP 15.8/1151 Dissolved O ₂ / TEMP / TIME NA mg/L		
Sample Location Description RIGHT BELOW THE WEIR Appearance of Stream or Lake VERY NARROW, GRASSES GROWING FROM CENTER OF CREEK SANDY BOTTOM Appearance of Sample CLEAR Condition of Station OK Current Weather Condition PARTLY CLOUDY W/ 75°F Previous Precipitation W/ 5 DAYS PRIOR - LAST RAINFALL RAIN WAS HEAVY, LASTED 2 DAYS			
ANALYSIS REQUESTED TARGET <input checked="" type="checkbox"/> GC/MS <input type="checkbox"/> SEDIMENT <input type="checkbox"/>		Remarks Sampling Signature Susan Goldkey	

COMPREHENSIVE MONITORING PROJECT/ROCKY MOUNTAIN ARSENAL
SURFACE-WATER SAMPLING FIELD DATA SHEET

Page 1 of 1

Site ID Number <u>SW 01002</u>	Hydrogeologist(s) <u>L. Brodwin and K. Hedberg</u>	Sample Numbers (range) <u>K 9480-9500</u> <u>K 9501-K 9510</u>	Date <u>89138</u>										
Analytical Equipment pH Meter: <input checked="" type="checkbox"/> Beckman pH 21 <input type="checkbox"/> Omega pH 165A <input type="checkbox"/> Orion SA250 <input type="checkbox"/> Other _____ Serial No. <u>0144748</u> Conductivity Meter: <input checked="" type="checkbox"/> YSI Model 33 <input type="checkbox"/> Other _____ Serial No. <u>H8016755</u> Dissolved Oxygen Meter: <input type="checkbox"/> YSI Model 51B <input type="checkbox"/> Other _____ Serial No. _____ Temperature Meter: <input checked="" type="checkbox"/> Beckman <input type="checkbox"/> Other _____ Serial No. <u>As above</u> Filtration Equipment: <input checked="" type="checkbox"/> Geotech Parastatic Pump <input checked="" type="checkbox"/> Geotech 0.45 micron filter	Meter Calibration pH 7.00 = <u>7.00</u> at <u>24.5</u> °C <u>0904</u> pH 10.00 = <u>10.02</u> at <u>24.4</u> °C <u>0904</u> Conductance Standard: <u>1000</u> umhos/cm at 25°C Measured Value: <u>880</u> umhos/cm at <u>20</u> °C <u>0905</u> Calculated Conductivity = Measured Conductance + (0.02 (measured conductance) (25°C - Actual Temp)); <u>968</u> 880 ⁸⁹¹⁷ umhos/cm at 25°C <u>0906</u> Dissolved Oxygen <u>NA</u> mg/l at _____ °C	Discharge (CFS) <u>NA</u> Equipment Used <u>NA</u> Serial No. <u>NA</u> Staff Gauge Reading <u>NA</u> Sampling Method <u>GRAB</u> Sample Type <u>POND</u>	Conductivity / TEMP / TIME <u>450 / 14.5 / 0914</u> umhos/cm pH TEMP Dissolved O ₂ / TEMP / TIME <u>9.05</u> <u>13.3</u> <u>NA</u> mg/liter										
	Titrations Results (Acid Concentration: <input type="checkbox"/> 0.16, <input checked="" type="checkbox"/> 1.6) pH <u>8.3</u> <u>4.8</u> <u>4.5</u> (7.0) <table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td>#Clicks</td> <td></td> <td><u>145</u></td> <td><u>148</u></td> <td></td> </tr> <tr> <td>Color</td> <td></td> <td><u>light pink</u></td> <td><u>pink</u></td> <td></td> </tr> </table>			#Clicks		<u>145</u>	<u>148</u>		Color		<u>light pink</u>	<u>pink</u>	
	#Clicks		<u>145</u>	<u>148</u>									
	Color		<u>light pink</u>	<u>pink</u>									
Sample Location Description <u>Small area of ponded water ~ 20' in diameter in NW corner of Large Sedimentation Pond. Directly SE of end of metal catwalk</u>													
Appearance of Stream or Lake <u>Most of Sedimentation Pond is dry. Approx. 1/3 is wet. Sampled area was ~ 2' deep.</u>													
Appearance of Sample <u>Slightly cloudy, yellowish brown</u>													
Condition of Station <u>NA</u>													
Current Weather Condition <u>~65°F, CLEAR, LIGHT BREEZE FROM WEST</u>													
Previous Precipitation <u>LIGHT TO HEAVY RAIN HAD OCCURRED FOR A DAILY FOR THE WEEK UP TO SAMPLED DAY. IT DIDNOT RAIN YESTERDAY.</u>													
ANALYSIS REQUESTED <u>TARGET</u> <u>GC/MS</u> <u>SEDIMENT</u>	Remarks: <u>pH of sample continued to drop from over 9 (~9.2) to ~8.0 as time passed. (~ 6min)</u>												
	Sampler Signature: <u>[Signature]</u>												

COMPREHENSIVE MONITORING PROJECT/ROCKY MOUNTAIN ARSENAL
SURFACE-WATER SAMPLING FIELD DATA SHEET

Page 1 of 1

Site ID Number SW01004	Hydrogeologist(s) KH, SG, LB	Sample Numbers (range) K1706 - K1726	Date 89109									
Analytical Equipment pH Meter: <input checked="" type="checkbox"/> Beckman phi 21 <input type="checkbox"/> Omega pH465A <input type="checkbox"/> Orion SA250 <input type="checkbox"/> Other _____ Serial No. 0145035 Conductivity Meter: <input checked="" type="checkbox"/> YSI Model 33 <input type="checkbox"/> Other _____ Serial No. 15596 Dissolved Oxygen Meter: <input checked="" type="checkbox"/> YSI Model 51B <input type="checkbox"/> Other _____ Serial No. 13634 Temperature Meter: <input checked="" type="checkbox"/> Beckman <input type="checkbox"/> Other _____ Serial No. 0145035 Filtration Equipment: <input checked="" type="checkbox"/> Geotech Parastatic Pump <input checked="" type="checkbox"/> Geotech 0.45 micron filter	Meter Calibration pH 7.00 = <u>7.04</u> at <u>14.9</u> °C <u>1009</u> Time pH 10.00 = <u>10.13</u> at <u>14.0</u> °C <u>1010</u> Time Conductance Standard: <u>1000</u> umhos/cm at 25°C Time Measured Value: <u>680</u> umhos/cm at <u>15.8</u> °C <u>1013</u> Time Calculated Conductivity = Measured Conductance + (0.02 (measured conductance) (25°C - Actual Temp)): Time <u>805.12</u> umhos/cm at 25°C <u>1013</u> Time Dissolved Oxygen <u>7.9</u> mg/l at <u>21.4</u> °C <u>1024</u> Time	Discharge (CFS) NA Equipment Used NA Staff Gauge Reading 1.1 ft Sampling Method GRAB Conductivity/TEMP / TIME 500 16.0°C 1025 umhos/cm	Measurement # NA Serial No. NA Sample Type LAKE pH 8.16 TEMP 17.0 Dissolved O ₂ /TEMP / TIME 5.5 / 15.2°C / 1026 mg/liter									
	Titrations Results (Acid Concentration: <input type="checkbox"/> 0.16, <input checked="" type="checkbox"/> 1.6) pH 8.3 4.8 4.5 (7.0) #Cicks <table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td>NA</td> <td>185</td> <td>186</td> <td>41</td> </tr> <tr> <td>Color</td> <td>NA</td> <td>pink</td> <td>pink green</td> </tr> </table>	NA	185	186	41	Color	NA	pink	pink green			
	NA	185	186	41								
	Color	NA	pink	pink green								
	Sample Location Description just south of catwalk; water quite stagnant where sampled three feet from edge which was dried out reeded area											
Appearance of Stream or Lake water very low - lots of muck - plants above water												
Appearance of Sample brown, murky though still translucent; contains floating objects - probably plant material - woody material												
Condition of Station murky, stagnant conditions (low water) - near bottom of staff gauge												
Current Weather Condition high clouds, slight breeze, 68°F												
Previous Precipitation snowfall ten days ago												
ANALYSIS REQUESTED	TARGET	GC/MS	SEDIMENT									
	X											
Remarks: Sewage type small at lake side sample taken using stainless steel bucket and measuring ladle Sampler Signature: <i>Jim E. Hedrick</i>												

COMPREHENSIVE MONITORING PROJECT/ROCKY MOUNTAIN ARSENAL
SURFACE-WATER SAMPLING FIELD DATA SHEET

Page 1 of 1

Site ID Number <u>SW01005D</u> <i>kelh 4/24/89</i>		Hydrogeologist(s) <u>J. GOLDBERG</u> <u>K. HEDBERG</u> <u>L. BROWNE</u>		Sample Numbers (range) <u>K1727 - K1747</u> <u>K1748 - 1768</u> <i>Duplicate</i>		Date <u>89108</u>	
Analytical Equipment pH Meter: <input checked="" type="checkbox"/> Bodman pH 21 <input type="checkbox"/> Omega pH46SA <input type="checkbox"/> Orion SA250 <input type="checkbox"/> Other _____ Serial No. <u>0145035</u> Conductivity Meter: <input checked="" type="checkbox"/> YSI Model 33 <input type="checkbox"/> Other _____ Serial No. <u>15596</u> Dissolved Oxygen Meter: <input type="checkbox"/> YSI Model 51B Serial No. <u>NA</u> Temperature Meter: <input checked="" type="checkbox"/> Beckman <input type="checkbox"/> Other _____ Serial No. <u>045035</u> Filtration Equipment: <input type="checkbox"/> Geotech Parastatic Pump <input checked="" type="checkbox"/> Geotech 0.45 micron filter		Meter Calibration pH 7.00 = <u>7.08</u> at <u>10.3</u> °C <u>0932</u> pH 10.00 = <u>10.19</u> at <u>9.1</u> °C <u>0930</u> Conductance Standard: <u>1000</u> umhos/cm at 25°C Measured Value: <u>490</u> umhos/cm at <u>27</u> °C <u>0934</u> Calibrated Conductivity = Measured Conductance + (0.02 (measured conductance) (25°C - Actual Temp)): _____ umhos/cm at 25°C _____ Dissolved Oxygen _____ mg/L at _____ °C _____		Discharge (CFS) <u>NA</u> Equipment Used <u>NA</u> Staff Gauge Reading <u>15.7'</u> Sampling Method <u>GRAB</u> Sample Type <u>LAKE</u> Conductivity / TEMP <u>350 umhos / 12.5 / 0940</u>		Measurement # <u>NA</u> Serial No. <u>NA</u>	
Titrant Results (Acid Concentration): <input type="checkbox"/> 0.16, <input checked="" type="checkbox"/> 1.6 pH <u>8.3</u> <u>4.8</u> <u>4.5</u> (pH) #Clicks <u>10</u> <u>125</u> <u>127</u> <u>45</u> Color <u>GREEN</u> <u>LT PINK</u> <u>49</u> <u>GREEN</u>		#Clicks <u>10</u> <u>125</u> <u>127</u> <u>45</u> Color <u>GREEN</u> <u>LT PINK</u> <u>49</u> <u>GREEN</u>		pH <u>8.1</u> <u>12.8</u> TEMP <u>0941</u> <u>12.8</u> <u>8 mg/L</u> <u>4°C</u> <u>1124</u> <u>AA</u> <i>kelh 4/15/89</i>		<u>0.1 TEMP / TIME</u>	

Sample Location Description

END OF CATWALK, LOWER A BUCKET VIA ROPE

Appearance of Stream or Lake LAKE IS SURROUNDED BY MARSH AREAS + TREES, SMALL WILDS.

BOTTOM IS COMPOSED OF MEDIUM SAND. SOME WHITE FOAM OCCURS AT THE WATER'S EDGE. WATER IS ABOUT 2 FT[±] - 3 FT FROM THE BANK. LOTS OF ORGANIC MATERIAL (LEAVES TWIG ETC.) +

Appearance of Sample ALSO, ABUNDANT FISH IN LAKE. AVERAGE DEPTH

Appearance of Sample ALSO, ABUNDANT FISH IN LAKE.

Condition of Season LT BROWN, CLOUDY

Condition of Station

GOOD

Current Weather Condition

Previous Precipitation SUNNY ~ 50°F, S WINDY

Previous Precipitation

SNOWFALL 9 DAYS AGO

SUNDWALL 1 DAYS AGO

ANALYSIS REQUESTED	TARGET	GC/MS	SEDIMENT	DUPE TAKEN
	✓			X

FERRIC LOWERED STAINLESS STEEL BURET
 AND POWERS HEAT BOTTLES W/
 A STAINLESS STEEL CUP
 No meter not accurate - bubbles
 under capillary
 Sampler Signature: Susan Goff

COMPREHENSIVE MONITORING PROJECT/ROCKY MOUNTAIN ARSENAL
SURFACE-WATER SAMPLING FIELD DATA SHEET

Page 1 of 1

Site ID Number SWD2003	Hydrogeologist(s) KH, SG, LB	Sample Numbers (range) K1640-K1684 ; K1769-K1771	Date 8/10/89	4/16/89
Analytical Equipment pH Meter: <input checked="" type="checkbox"/> Bodman pH 21 <input type="checkbox"/> Omega pH-65A <input type="checkbox"/> Orion SA250 <input type="checkbox"/> Other <u>0445035</u> pen 4/16/89 Serial No. <u>0145035</u> Conductivity Meter: <input checked="" type="checkbox"/> YSI Model 33 <input type="checkbox"/> Other <u>155</u> 155 4/16/89 Serial No. <u>155916</u> Dissolved Oxygen Meter: <input checked="" type="checkbox"/> YSI Model 51B Serial No. <u>13634</u> Temperature Meter: <input checked="" type="checkbox"/> Beckman <input type="checkbox"/> Other _____ Serial No. <u>0145035</u> Filtration Equipment: <input checked="" type="checkbox"/> Geotech Parastatic Pump <input checked="" type="checkbox"/> Geotech 0.45 micron filter	Meter Calibration pH 7.00 = <u>7.03</u> at <u>17.2</u> °C <u>1307</u> Time pH 10.00 = <u>10.11</u> at <u>16.2</u> °C <u>1312</u> Time Conductance Standard: <u>1000</u> umhos/cm at 25°C Time Measured Value: <u>700</u> umhos/cm at <u>17</u> °C <u>1311</u> Time Calibrated Conductivity = Measured Conductance + (0.02 (measured conductance) (25°C - Actual Temp)): Time <u>812</u> umhos/cm at 25°C <u>1312</u> Time Dissolved Oxygen <u>NA</u> mg/L at <u>NA</u> °C <u>NA</u> Time Titration Results (Acid Concentration) <input checked="" type="checkbox"/> 0.16, <input checked="" type="checkbox"/> 1.5 pH <u>8.3</u> <u>4.8</u> <u>4.5</u> (7.0) #Clicks <u>88</u> (4.98) (4.17) <u>144</u> <u>146</u> Color <u>clear</u> <u>pink</u> <u>pink</u>	Discharge (CFS) <u>N/A</u> Equipment Used <u>NA</u> Serial Gauge Reading <u>73</u> <u>4/16/89</u> <u>12.1</u> feet Sampling Method <u>GRAB</u> Sample Type <u>LAKE</u> Conductivity / TEMP <u>500</u> / <u>16.5</u> pH <u>8.73</u> TEMP <u>16.7</u> <u>0.1</u> / TEMP / TIME <u>METER INOPERABLE</u>	Measurement # <u>NA</u> Serial No. <u>NA</u> umhos/cm <u>umhos/cm</u> mg/L mg/L	

Sample	Location	Description
	20 feet south of pump station,	8 feet from water's edge

Appearance of Stream or Lake BOTTOM OF LAKE - BLACK AND TAR-LIKE
HYDROGEN SULFIDE SMELL; CLEAR WATER; MUCH AQUATIC GROWTH-
ALONG EDGE

cloudy - slightly brownish

Condition of Station

gauge difficult to read

Current Weather Condition: partly cloudy, warm 65°F, intermittent rains 0-15 mph

Previous Precipitation
snow fall 9 days ago

[illegible]

COMPREHENSIVE MONITORING PROJECT/ROCKY MOUNTAIN ARSENAL
SURFACE-WATER SAMPLING FIELD DATA SHEET

Page 1 of 1

Site ID Number SW02004		Hydrogeologist(s) KH SG LB		Sample Numbers (range) K1685 - K1705		Date 8/10/9											
Analytical Equipment pH Meter: <input checked="" type="checkbox"/> Beckman pH 21 <input type="checkbox"/> Omega pH-46SA <input type="checkbox"/> Orion SA250 <input type="checkbox"/> Other _____ Serial No. 0145035 Conductivity Meter: <input checked="" type="checkbox"/> YSI Model 33 <input type="checkbox"/> Other _____ Serial No. 15596 Dissolved Oxygen Meter: <input checked="" type="checkbox"/> YSI Model 51B Serial No. 13634 Temperature Meter: <input checked="" type="checkbox"/> Beckman <input type="checkbox"/> Other _____ Serial No. 0145035 Filtration Equipment: <input checked="" type="checkbox"/> Gootech Parastatic Pump <input type="checkbox"/> Gootech 0.45 micron filter		Motor Calibration pH 7.00 = <u>7.06</u> at <u>9.5</u> °C <u>0832</u> pH 10.00 = <u>10.20</u> at <u>8.8</u> °C <u>0834</u> Conductance Standard: <u>520</u> ^{rec'd 4/19/89} 1000 umhos/cm at 25°C Measured Value: <u>520</u> umhos/cm at <u>9.0</u> °C <u>0815</u> Calibrated Conductivity = Measured Conductance + (0.02 (measured conductance) (25°C - Actual Temp)): _____ <u>666</u> umhos/cm at 25°C <u>0817</u> Dissolved Oxygen <u>7.2</u> mg/l at <u>18</u> °C <u>0826</u>		Discharge (CFS): N/A Equipment Used: N/A Serial No.: N/A Staff Gauge Reading: 213 8.50 0.85 0818 Sampling Method: GRAB Sample Type: LATE Conductivity/TEMP: 480 / 13.5 / 0827 pH: 8.78 TEMP: 16.1°C Dissolved O ₂ /TEMP/TIME: 9.4 / 13.5°C / 0845													
		Titration Results (Acid Concentration: <input type="checkbox"/> 0.16, <input checked="" type="checkbox"/> 1.6) pH <u>8.3</u> <u>4.8</u> <u>4.5</u> (7.0) <table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td>#Clcks</td> <td><u>29</u></td> <td><u>174</u></td> <td><u>176</u></td> <td><u>69</u></td> </tr> <tr> <td>Color</td> <td><u>clear</u></td> <td><u>pink</u></td> <td><u>pink</u></td> <td><u>green</u></td> </tr> </table>		#Clcks	<u>29</u>	<u>174</u>	<u>176</u>	<u>69</u>	Color	<u>clear</u>	<u>pink</u>	<u>pink</u>	<u>green</u>				
#Clcks	<u>29</u>	<u>174</u>	<u>176</u>	<u>69</u>													
Color	<u>clear</u>	<u>pink</u>	<u>pink</u>	<u>green</u>													
Sample Location Description West side of Lake Mary, near staff gage																	
Appearance of Stream or Lake clear to slightly murky, some vegetation in water near shore, sandy-silty bottom																	
Appearance of Sample clear to light murky brown																	
Condition of Station good																	
Current Weather Condition Clear, very light breeze ~ 70° F																	
Previous Precipitation Snow fall 10 days previously																	
ANALYSIS REQUESTED <table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td style="width:20%;">TARGET</td> <td style="width:20%;">GC/MS</td> <td style="width:20%;">SEDIMENT</td> <td style="width:20%;"></td> <td style="width:20%;"></td> </tr> <tr> <td><input checked="" type="checkbox"/></td> <td><input checked="" type="checkbox"/></td> <td><input checked="" type="checkbox"/></td> <td><input type="checkbox"/></td> <td><input type="checkbox"/></td> </tr> </table>					TARGET	GC/MS	SEDIMENT			<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Remarks: sample taken using stainless steel bucket and measuring ladle. Waded in with out into lake to sample Sampler Signature: <i>[Signature]</i>		
TARGET	GC/MS	SEDIMENT															
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>													

COMPREHENSIVE MONITORING PROJECT/ROCKY MOUNTAIN ARSENAL
SURFACE-WATER SAMPLING FIELD DATA SHEET

Page 1 of 1

Site ID Number 02006	Hydrogeologist(s) L. Brumfield H. Hadberg J. Kochman	Sample Numbers (range) K2462-K2495	Date 8/11/7	
Analytical Equipment pH Meter: <input type="checkbox"/> Beckman phi 21 <input type="checkbox"/> Omega pH-65A <input type="checkbox"/> Orion SA250 <input type="checkbox"/> Other _____ Serial No. 0145035 Conductivity Meter: <input checked="" type="checkbox"/> YSI Model 33 <input type="checkbox"/> Other _____ Serial No. 15576 Dissolved Oxygen Meter: <input type="checkbox"/> YSI Model 51B Serial No. _____ Temperature Meter: <input checked="" type="checkbox"/> Beckman <input type="checkbox"/> Other _____ Serial No. 0145095 Filtration Equipment: <input checked="" type="checkbox"/> Geotech Peristaltic Pump <input checked="" type="checkbox"/> Geotech 0.45 micron filter	Meter Calibration pH 7.00 = <u>7.04</u> at <u>13.0</u> °C <u>1546</u> pH 10.00 = <u>10.15</u> at <u>12.4</u> °C <u>1546</u> Conductance Standard: <u>1000</u> umhos/cm at 25°C Measured Value: <u>730</u> umhos/cm at <u>15</u> °C <u>1547</u> Calculated Conductivity = Measured Conductance + (0.02 (measured conductance) (25°C - Actual Temp)): <u>876</u> umhos/cm at 25°C <u>1547</u> Dissolved Oxygen <u>NA</u> mg/l at _____ °C	Discharge (CFS) 3447 Equipment Used LONG THROATED FLOME Serial No. NA Staff Gauge Reading: NONE INSTALLED	Sampling Method GRAB Sample Type DTCH Conductivity/TEMP 500 / 16 °C	
	Titration Results (Acid Concentration: <input type="checkbox"/> 0.16, <input checked="" type="checkbox"/> 1.6) pH <u>8.3</u> <u>4.8</u> <u>4.5</u> (7.0) #Clicks <u>16</u> <u>128</u> <u>129</u> Color <u>green</u> <u>light pink</u> <u>pink</u>	pH <u>8.74</u> TEMP <u>15.8</u> °C O ₂ / TEMP / TIME NA		
	Sample Location Description STEAM PLANT EFFLUENT DITCH. SAMPLE TAKEN APPROX 70 FT DOWNSTREAM OF CULVERT			
	Appearance of Stream or Lake WATER IN DITCH APPEARS RELATIVELY CLEAR. SILTY - SANDY BOTTOM. DITCH 3-4' WIDE			
Appearance of Sample CLEAR - SLIGHTLY CLOUDY				
Condition of Station FULL OF TUMBLE WEEDS				
Current Weather Condition COOL, APPROX 50°F, OVERCAST. LIGHT SHOWER MIXED WITH HAIL EARLIER IN DAY				
Previous Precipitation LIGHT SHOWER - NO MEASURABLE RAIN EARLIER IN DAY. NO MAJOR PRECIP FOR LAST TWO WEEKS. WARM AND DRY PREVIOUS TO THIS.				
ANALYSIS REQUESTED TARGET GC/MS SEDIMENT		Sampler Signature: L. Brumfield		

COMPREHENSIVE MONITORING PROJECT/ROCKY MOUNTAIN ARSENAL
SURFACE-WATER SAMPLING FIELD DATA SHEET

Page 1 of 1

Site ID Number 02006	Hydrogeologist(s) SEG, TG, GPP	Sample Numbers (range) L4114 - L4137	Date 8/27/0																																								
Analytical Equipment pH Meter: <input checked="" type="checkbox"/> Beckman pH 21 <input type="checkbox"/> Omega pH-16SA <input type="checkbox"/> Orion SA250 <input type="checkbox"/> Other _____ Serial No. 015781 Conductivity Meter: <input type="checkbox"/> YSI Model 33 <input type="checkbox"/> Other _____ Serial No. 13076 Dissolved Oxygen Meter: <input type="checkbox"/> YSI Model 51B Serial No. NA Temperature Meter: <input checked="" type="checkbox"/> Beckman <input type="checkbox"/> Other _____ Serial No. 015781 Filtration Equipment: <input type="checkbox"/> Geotech Peristaltic Pump <input type="checkbox"/> Geotech 0.45 micron Filter	Meter Calibration pH 7.00 = 6.98 at 31.6 °C Time 1321 pH 10.00 = 9.96 at 30.9 °C Time 1323 Conductance Standard: 1434 umhos/cm at 21.6 °C Time _____ Measured Value: 1490 umhos/cm at 38 °C Time 1322 Calibrated Conductivity = Measured Conductance + (0.02 (measured conductance) (25°C - Actual Temp)): Time _____ 1001 umhos/cm at 25°C Time 1322 Dissolved Oxygen NA mg/L at NA °C NA	Discharge (CFS): 1327 11 89278 r6 100 mm FLUME Equipment Used: _____ Serial No. NA Staff Gauge Reading NA - NONE INSTALLED Sampling Method GRAB Sample Type DITCH																																									
	Titration Results (Acid Concentration: <input type="checkbox"/> 0.16, <input type="checkbox"/> 1.6) pH 8.3 4.8 4.5 (7.0) #Clicks NA Color _____	Conductivity / TEMP 415 / 25C / 1330 umhos/cm pH 8.63 TEMP 22.4 Dissolved O ₂ / TEMP / TIME NA																																									
	Sample Location Description 1/2 FT UPSTREAM OF STATION STAKE 1189270 Appearance of Stream or Lake CLEAR TURBID BROWN WITH ORGANIC RE MATERIAL FLOCCULE, MEDIUM FLOW, MUDDY, ORGANIC BOTTOM																																										
	Appearance of Sample CLEAR Condition of Station OK																																										
Current Weather Condition 1180°F, HOT, MUGGY, PARTLY CLOUDY																																											
Previous Precipitation 11 16 DAYS AGO RAINED FOR 2 DAYS																																											
ANALYSIS REQUESTED <table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td style="width:10%;">TARGET</td> <td style="width:10%;">GC/MS</td> <td style="width:10%;">SEDIMENT</td> <td style="width:10%;"></td> <td style="width:10%;"></td> <td style="width:10%;"></td> <td style="width:10%;"></td> <td style="width:10%;"></td> <td style="width:10%;"></td> <td style="width:10%;"></td> <td style="width:10%;"></td> <td style="width:10%;"></td> <td style="width:10%;"></td> <td style="width:10%;"></td> <td style="width:10%;"></td> <td style="width:10%;"></td> <td style="width:10%;"></td> <td style="width:10%;"></td> <td style="width:10%;"></td> <td style="width:10%;"></td> </tr> <tr> <td><input checked="" type="checkbox"/></td> <td><input checked="" type="checkbox"/></td> <td><input checked="" type="checkbox"/></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> </table>		TARGET	GC/MS	SEDIMENT																		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>																		Remarks: Sampler Signature: Swan	
TARGET	GC/MS	SEDIMENT																																									
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>																																									

Page 1

Sample Location Description	Temperature
NEAR MOTOR POOL JUST WEST OF TRACKS @ NORTH SIDE OF FACILITIES	
Appearance of Stream or Lake	

Appearance of Stream or Lake

FLOW BUBBLING UP FROM GROUND THEN FLOWING DOWN GRADIENT
VERY DIRTY WATER

Appearance of Sample

VERY DIRTY, SILTY, CLOUDY

Condition of Station

NO STATION INSTALLED, ONLY SAMPLE POINT

Current Weather Condition

RAIN, COOL.

Previous Precipitation

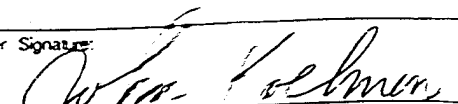
TRACE - 1/4" / RAINING HEAVILY AS SAME TIME OCCURS

Signature

Carder Signature: John Boehmer

COMPREHENSIVE MONITORING PROJECT/ROCKY MOUNTAIN ARSENAL
SURFACE-WATER SAMPLING FIELD DATA SHEET

Page 1 of 1

Site ID Number SW07001		Hydrogeologist(s) JK, LB, KH		Sample Numbers (range) K2564-K2597		Date 8/11/7	
Analytical Equipment <input checked="" type="checkbox"/> pH Meter: <input type="checkbox"/> Beckman pH 21 <input type="checkbox"/> Omega pH 46SA <input type="checkbox"/> Orion SA250 <input type="checkbox"/> Other _____ Serial No. 0145035 <input checked="" type="checkbox"/> Conductivity Meter: <input type="checkbox"/> YSI Model 33 <input type="checkbox"/> Other _____ Serial No. 15596 <input type="checkbox"/> Dissolved Oxygen Meter: <input type="checkbox"/> YSI Model 51B Serial No. _____ <input checked="" type="checkbox"/> Temperature Meter: <input type="checkbox"/> Beckman <input type="checkbox"/> Other _____ Serial No. 0145095 Filtration Equipment: <input checked="" type="checkbox"/> Geotech Parastatic Pump <input checked="" type="checkbox"/> Geotech 0.45 micron filter		Meter Calibration pH 7.00 = 7.06 at 9.5 °C 1460 pH 10.00 = 10.19 at 9.2 °C 1401 Conductance Standard: 1000 umhos/cm at 25°C Measured Value: 700 umhos/cm at 9 °C 1402 Calibrated Conductivity = Measured Conductance + 0.22 (measured conductance) (25°C - Actual Temp): 924 umhos/cm at 25°C 1403 Dissolved Oxygen NA mg/l at NA °C NA		Discharge (CFS) NA Equipment Used NA Serial No. NA Staff Gauge Reading NA Sampling Method GRAB Sample Type OK 8/11/7 DITCH Conductivity / TEMP 475 umhos/cm @ 9°C pH 8.09 TEMP: 10.9 °C / TEMP / TIME NA			
		Titration Results (Acid Concentration: <input type="checkbox"/> 0.16, <input checked="" type="checkbox"/> 1.5) pH 8.3 4.8 4.5 (7.0) #Cicks 142 150 16 Color PINK PINK GRN					
Sample Location Description AT DRAINAGE CULVERT APPROXIMATELY 1/3 MILE EAST OF E STREET & 89117 NORTH SOUTH BOUNDARY							
Appearance of Stream or Lake ONLY FILM ON SURFACE. SEDIMENTS VERY MUCKY, SHALLOW W/ LITTLE FLOW							
Appearance of Sample CLOUDY, W/ MUDDY - BLACK COLOR							
Condition of Station NO STATION, CULVERT SEEMINGLY DECOMPOSING							
Current Weather Condition COOL, CLOUDY W PATCHY CLEARING, LIGHT S. W. S							
Previous Precipitation TRACE AMOUNTS OVER PAST 3 DAYS							
ANALYSIS REQUESTED						Remarks:	
TARGET	GC/MS	SEDIMENT					Sampler Signature: 
XXX							

COMPREHENSIVE MONITORING PROJECT/ROCKY MOUNTAIN ARSENAL
SURFACE-WATER SAMPLING FIELD DATA SHEET

Page 1 of 1

Sie ID Number SW07001		Hydrogeologist(s) GREG PUDLIK, SUSAN GOLDBERG		Sample Numbers (range) L4138 - L4154		Date 9/25/89 89268																																													
Analytical Equipment pH Meter: <input checked="" type="checkbox"/> Beckman phi 21 <input type="checkbox"/> Omega pH-10SA <input type="checkbox"/> Orion SA250 <input type="checkbox"/> Other _____ Serial No. 015781 Conductivity Meter: <input checked="" type="checkbox"/> YSI Model 33 <input type="checkbox"/> Other _____ Serial No. 13076 Dissolved Oxygen Meter: <input type="checkbox"/> YSI Model 51B Serial No. NA Temperature Meter: <input checked="" type="checkbox"/> Beckman <input type="checkbox"/> Other _____ Serial No. 015781 Titration Equipment: NA <input type="checkbox"/> Geotech Parastatic Pump <input type="checkbox"/> Geotech 0.45 micron filter		Meter Calibration <p>pH 7.00 = 7.02 at 19.5 °C Time 0923</p> <p>pH 10.00 = 10.06 at 19.9 °C Time 0927</p> <p>Conductance Standard: 1434 umhos/cm at 25°C Time 21.6°</p> <p>Measured Value: 1250 umhos/cm at 24.5 °C Time 0923</p> <p>Calibrated Conductivity = Measured Conductance + (0.02 (measured conductance) (25°C - Actual Temp)): Time</p> <p>1177 umhos/cm at 25°C 0923</p> <p>Dissolved Oxygen NA mg/l at ____ °C</p>		Discharge (CFS) .06 @ 9278 TGS <u>-0.084</u> Equipment Used 100 MM ILMME Serial No. NA Staff Gauge Reading NA - NONE INSTALLED Sampling Method GRAB Sample Type CREEK DTCH Conductivity / TEMP 610 umhos/cm @ 14.1 °C <table border="1" style="width:100%;"> <thead> <tr> <th>#Clicks</th> <th></th> <th></th> <th></th> <th></th> <th>pH</th> <th>TEMP</th> <th>Dissolved O₂ / TEMP / TIME</th> </tr> </thead> <tbody> <tr> <td></td> <td></td> <td></td> <td></td> <td></td> <td>8.40</td> <td>12.9°C</td> <td>NA</td> </tr> </tbody> </table>		#Clicks					pH	TEMP	Dissolved O₂ / TEMP / TIME						8.40	12.9°C	NA																														
#Clicks					pH	TEMP	Dissolved O₂ / TEMP / TIME																																												
					8.40	12.9°C	NA																																												
Titration Results (Acid Concentration: <input type="checkbox"/> 0.16 <input type="checkbox"/> 1.6% pH 8.3 4.8 4.5 (7.0) <table border="1" style="width:100%;"> <tr> <td>#Clicks</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>Color</td> <td></td> <td></td> <td></td> <td></td> </tr> </table>								#Clicks					Color																																						
#Clicks																																																			
Color																																																			
Sample Location Description <i>drainage sample collected ~ 20' downstream of culvert confluence with drainage</i>																																																			
Appearance of Stream or Lake <i>clear, low flow, scattered debris (glass, plastic, paper)</i>																																																			
Appearance of Sample <i>clear</i>																																																			
Condition of Station <i>OK</i>																																																			
Current Weather Condition <i>clear, 75°F , wind 1-3 W</i>																																																			
Previous Precipitation <i>~14 days ago heavy rains for ~2 days</i>																																																			
ANALYSIS REQUESTED <table border="1" style="width:100%; height: 100px; vertical-align: top;"> <tr> <td style="writing-mode: vertical-rl; transform: rotate(180deg); font-weight: bold;">TARGET</td> <td style="writing-mode: vertical-rl; transform: rotate(180deg); font-weight: bold;">GC/M.S</td> <td style="writing-mode: vertical-rl; transform: rotate(180deg); font-weight: bold;">SEDIMENT</td> <td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td> </tr> <tr> <td>X</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td> </tr> </table>					TARGET	GC/M.S	SEDIMENT																			X																					Peterson: 			Sampler Signature: 	
TARGET	GC/M.S	SEDIMENT																																																	
X																																																			

COMPREHENSIVE MONITORING PROJECT/ROCKY MOUNTAIN ARSENAL
SURFACE-WATER SAMPLING FIELD DATA SHEET

Page 1 of 1

Site ID Number SW07001	Hydrogeologist(s) GREG PUDLIK, SUSAN GOLDBERG	Sample Numbers (range) L4138 - L4154	Date 9/25/89 89268
Analytical Equipment pH Meter: <input checked="" type="checkbox"/> Beckman phi 21 <input type="checkbox"/> Omega pH-65A <input type="checkbox"/> Orion SA250 <input type="checkbox"/> Other _____ Serial No. 015781 Conductivity Meter: <input checked="" type="checkbox"/> YSI Model 33 <input type="checkbox"/> Other _____ Serial No. 13076 Dissolved Oxygen Meter: <input type="checkbox"/> YSI Model 51B Serial No. NA Temperature Meter: <input checked="" type="checkbox"/> Beckman <input type="checkbox"/> Other _____ Serial No. 015781 Filtration Equipment: NA <input type="checkbox"/> Geotech Parastatic Pump <input type="checkbox"/> Geotech 0.45 micron filter	Motor Calibration pH 7.00 = <u>7.02</u> at <u>19.5</u> °C <u>0923</u> pH 10.00 = <u>10.06</u> at <u>19.9</u> °C <u>0927</u> Conductance Standard: <u>1434</u> umhos/cm at <u>26.6</u> °C Measured Value: <u>1250</u> umhos/cm at <u>24.5</u> °C <u>0923</u> Calibrated Conductivity = Measured Conductance + (0.02 (measured conductance) (25°C - Actual Temp)): <u>1177</u> umhos/cm at 25°C <u>0923</u> Dissolved Oxygen <u>NA</u> mg/l at _____ °C		Discharge (CFS) <u>0.06</u> ^{2.78} ₇₆ Measurement: _____ Equipment Used <u>100 MM ILWME</u> Serial No. <u>NA</u> Staff Gauge Reading <u>NA - NONE INSTALLED</u> Sampling Method <u>GRAB</u> Sample Type <u>DTCH</u> Conductivity / TEMP <u>610 umhos/cm</u> @ <u>14.1</u> °C pH <u>8.40</u> TEMP <u>12.9</u> °C <u>NA</u>
	Titration Results (Acid Concentration) <input type="checkbox"/> 0.16 <input type="checkbox"/> 1.6 pH <u>8.3</u> <u>4.8</u> <u>4.5</u> (7.0) #Clicks _____ <u>NA</u> _____ Color _____ <u>NA</u> _____		pH TEMP <u>0.1</u> / TEMP / TIME <u>8.40</u> <u>12.9</u> °C <u>NA</u>
	Sample Location Description <u>Sample collected ~ 20' downstream of culvert confluence with drainage</u>		
	Appearance of Stream or Lake <u>clear, low flow, scattered debris (glass, plastic, paper)</u>		
Appearance of Sample <u>clear</u>			
Condition of Station <u>OK</u>			
Current Weather Condition <u>clear, 75°F, wind 1-3 W</u>			
Previous Precipitation <u>~ 14 days ago, heavy rains for ~ 2 days</u>			

ANALYSIS REQUESTED	TARGET	GC/MS	SEDIMENT								
<input checked="" type="checkbox"/>											

Remarks:

Sampler Signature: Gregory P Pudlik

COMPREHENSIVE MONITORING PROJECT/ROCKY MOUNTAIN ARSENAL
SURFACE-WATER SAMPLING FIELD DATA SHEET

Page 1 of 1

Site ID Number SW08001	Hydrogeologist(s) GPP, TG	Sample Numbers (range)	Date 89272 9/29/89																	
Analytical Equipment pH Meter: <input checked="" type="checkbox"/> Beckman pH 21 <input type="checkbox"/> Omega pH-165A <input type="checkbox"/> Orion SA250 <input type="checkbox"/> Other _____ Serial No. 015781 Conductivity Meter: <input checked="" type="checkbox"/> YSI Model 33 <input type="checkbox"/> Other _____ Serial No. 13076 Dissolved Oxygen Meter: <input type="checkbox"/> YSI Model 51B Serial No. NA Temperature Meter: <input checked="" type="checkbox"/> Beckman GPP <input type="checkbox"/> Other 015781 Serial No. 015781 Filtration Equipment: <input type="checkbox"/> Geotech Parasitic Pump <input type="checkbox"/> Geotech 0.45 micron filter	Meter Calibration pH 7.00 = <u>7.01</u> at <u>22.6</u> °C <u>1152</u> pH 10.00 = <u>10.05</u> at <u>21.1</u> °C <u>1152</u> Conductance Standard: <u>1434</u> umhos/cm at <u>21.6</u> °C Measured Value: <u>1200</u> umhos/cm at <u>24.3</u> °C <u>1205</u> Calibrated Conductivity = Measured Conductance + (0.02 (measured conductance) (25°C - Actual Temp)); Time _____ umhos/cm at 25°C _____ Dissolved Oxygen <u>NA</u> mg/l at _____ °C	Discharge (CFS): <u>.24' = .1697 cfs</u> Measurement # <u>NA</u> Equipment Used: <u>DH-48</u> <u>100mm flume</u> Serial No. <u>NA</u> Staff Gauge Reading: <u>NA</u>	Sampling Method: <u>GRAB</u> Sample Type: <u>SUSPENDED SED</u> Conductivity/TEMP: <u>650 / 17°C</u>																	
	Titration Results (Acid Concentration): <input type="checkbox"/> 0.16, <input type="checkbox"/> 1.0 pH <u>8.3</u> <u>4.8</u> <u>4.5</u> (7.0) #Clicks <u>/</u> <u>NA</u> <u>/</u> Color <u>/</u> <u>NA</u> <u>/</u>	pH <u>8.23</u> TEMP <u>15.3°C</u> Dissolved O ₂ / TEMP / TIME <u>NA</u>																		
	Sample Location Description: <u>S 1st Creek. Stream has channel ~4' wide, 1/2" deep, heavy vegetation (small cottonwoods, cattails)</u>																			
	Appearance of Stream or Lake: <u>clean, with some oil spots on surface</u>																			
Appearance of Sample: <u>clean</u>																				
Condition of Station: <u>good</u>																				
Current Weather Condition: <u>clear, 85°F, 1-5 mph SW winds</u>																				
Previous Precipitation: <u>~17 days ago, rain for 2 days</u>																				
ANALYSIS REQUESTED	TARGET	GC/MS	SEDIMENT	TSS																
				X																
Sender Signature: <u>Greg Puckett</u>																				

COMPREHENSIVE MONITORING PROJECT/ROCKY MOUNTAIN ARSENAL
SURFACE-WATER SAMPLING FIELD DATA SHEET

Page 1 of 1

Site ID Number SW08003	Hydrogeologist(s) KH, LB, JK, BS	Sample Numbers (range) K2235-K2255	Date 89115 4/25/89	
Analytical Equipment <input checked="" type="checkbox"/> pH Meter: <input type="checkbox"/> Beckman phi 21 <input type="checkbox"/> Omega pH40SA <input type="checkbox"/> Orion SA250 <input type="checkbox"/> Other _____ Serial No. 0145035 Conductivity Meter: <input checked="" type="checkbox"/> YSI Model 33 <input type="checkbox"/> Other _____ Serial No. 15596 Dissolved Oxygen Meter: <input type="checkbox"/> YSI Model 51B Serial No. _____ Temperature Meter: <input checked="" type="checkbox"/> Beckman <input type="checkbox"/> Other _____ Serial No. 0145035 Filtration Equipment: <input checked="" type="checkbox"/> Geotech Parastatic Pump <input checked="" type="checkbox"/> Geotech 0.45 micron filter	Meter Calibration 7.01 at 22.2 °C 89115 Time 1029 pH 7.00 = 7.01 at 21.8 °C 1018 Time 1029 pH 10.00 = 10.00 at 20.5 °C 89115 Time 1030 Conductance Standard: 1000 umhos/cm at 25°C Measured Value: 800 umhos/cm at 19 °C 1015 Calibrated Conductivity = Measured Conductance + (0.02 (measured conductance) (25°C - Actual Temp)): Time 896 umhos/cm at 25°C 1015 Dissolved Oxygen NA mg/l at NA °C NA	Discharge (CFS) 0.72 Equipment Used PORTABLE FLUME Serial No. NA Staff Gauge Reading 0.47 feet Sampling Method GRAB Sample Type STRM Conductivity/TEMP 620 / 15°C pH 8.21 TEMP 16.5°C Dissolved O ₂ /TEMP/TIME NA	Measurement # Serial No. Sample Type Conductivity/TEMP Dissolved O ₂ /TEMP/TIME mg/l	
	Titration Results (Acid Concentration) <input type="checkbox"/> 0.16, <input checked="" type="checkbox"/> 1.6 pH 8.3 4.8 4.5 (7.0) #Clicks NA 285 288 62 Color NA pink pink green			
	Sample Location Description IN CEMENT WEIR; SEDS JUST UPSTREAM			
	Appearance of Stream or Lake beh 89115 LOW TO MODERATE UNIFORM FEE FLOW; CLEAR WATER			
Appearance of Sample CLEAR				
Condition of Station FULL OF TUMBUEWEEDS WHICH WERE CLEARED				
Current Weather Condition SUNNY 70°F BREEZY 0-5 MPH				
Previous Precipitation 0- TRACE THREE DAYS PREVIOUSLY				

ANALYSIS REQUESTED	TARGET	GC/MS	SEDIMENT	SED GC/MS																Remarks: After calibration of meter a appeared on read out, re-calibrated Sampler Signature: Jim E. H. [Signature]
	+	+	X																	

COMPREHENSIVE MONITORING PROJECT/ROCKY MOUNTAIN ARSENAL
SURFACE-WATER SAMPLING FIELD DATA SHEET

Page 1 of 1

Site ID Number 5W08003 ST	Hydrogeologist(s) JK	Sample Numbers (range) K7426 - 7446	Date 8/13/89		
Analytical Equipment pH Meter: <input checked="" type="checkbox"/> Bodman pH 21 <input type="checkbox"/> Omega pH-65A <input type="checkbox"/> Orion SA250 <input type="checkbox"/> Other _____ Conductivity Meter: <input checked="" type="checkbox"/> YSI Model 33 <input type="checkbox"/> Other _____ Dissolved Oxygen Meter: <input type="checkbox"/> YSI Model 51B Temperature Meter: <input checked="" type="checkbox"/> Bodman <input type="checkbox"/> Other _____ Serial No. 0144750 Titration Equipment: <input checked="" type="checkbox"/> Geotech Peristaltic Pump <input type="checkbox"/> Geotech 0.45 micron filter	Meter Calibration pH 7.00 = <u>7.05</u> at <u>10.8</u> °C Time <u>1608</u> pH 10.00 = <u>10.17</u> at <u>10.9</u> °C Time <u>1609</u> Conductance Standard: <u>1000</u> umhos/cm at 25°C Time _____ Measured Value: <u>775</u> umhos/cm at <u>12</u> °C Time <u>1610</u> Calculated Conductivity = Measured Conductance + 0.02 (measures conductance) (25°C - Actual Temp): Time _____ <u>976.5</u> umhos/cm at 25°C Time <u>1610</u> Dissolved Oxygen <u>NA</u> mg/l at <u>NA</u> °C Time <u>NA</u>		Discharge (CFS) NA	Measurement # NA	
	Equipment Used NA		Serial No. NA		
	Staff Gauge Reading START <u>1.10</u> FINISH <u>1.08</u>		Sampling Method GRAB		Sample Type STRM
	Titration Results (Acid Concentration: <input type="checkbox"/> 0.16, <input type="checkbox"/> 1.5) pH <u>8.3</u> <u>4.8</u> <u>4.5</u> (7.0)		Conductivity / TEMP <u>225</u> $\mu\text{mhos/cm}$ @ <u>12</u> °C umhos/cm		
Serial No. 0144750 #Cicks _____ Color _____		pH <u>8.71</u> TEMP <u>6.9</u> °C Dissolved O ₂ / TEMP / TIME NA			

Sample Location Description
SAMPLED AT NOTCH IN WEIR, HAD TO SAMPLE VERTS AT SIDES TO HELP REDUCE AIR IN BOTTLES

Appearance of Stream or Lake
MODERATELY HIGH FLOW, FLOWING OVER 2/3 OF WEIR (MORE THAN 1-FOOT) SLIGHTLY MUDDY WATER

Appearance of Sample
SLIGHTLY MUDDY, BROWN COLOR

Condition of Station
GOOD CONDITION, ALL EQUIPMENT FUNCTIONAL

Current Weather Condition
STORMY, COOL, CLOUDY, LT WIND

Previous Precipitation
WITHIN 1 HOUR PRIOR THE IMMEDIATE AREA RECEIVED HAIL & RAIN

ANALYSIS REQUESTED

TARGET	GC/MS	SEDIMENT																		
XX	XX																			

Remarks:
NO DISCHARGES TAKEN, OFFER TO SEE SITE AT ANOTHER SAMPLE

Sampler Signature
John Bodman

3PM130

COMPREHENSIVE MONITORING PROJECT/ROCKY MOUNTAIN ARSENAL
SURFACE-WATER SAMPLING FIELD DATA SHEET

Page 1 of 1

Site ID Number SW08003 / ALSO DUPLICATE	Hydrogeologist(s) SEC, GPP, TG	Sample Numbers (range) L5584-L5603 L4360-L4379	Date 8/26/99
Analytical Equipment <input checked="" type="checkbox"/> pH Meter: <input type="checkbox"/> Beckman pH 21 <input type="checkbox"/> Omega pH-65A <input type="checkbox"/> Orion SA250 <input type="checkbox"/> Other _____ Serial No. 015781 Conductivity Meter: <input checked="" type="checkbox"/> YSI Model 33 <input type="checkbox"/> Other _____ Serial No. 13076 Dissolved Oxygen Meter: <input type="checkbox"/> YSI Model-S1B <input checked="" type="checkbox"/> Other _____ Serial No. NA Temperature Meter: <input type="checkbox"/> Beckman <input type="checkbox"/> Other _____ Serial No. DIS781 Filtration Equipment: <input type="checkbox"/> Geotech Parasitic Pump <input type="checkbox"/> Geotech 0.45 micron filter	Meter Calibration pH 7.00 = 6.98 at 34.3 °C 1505 Time pH 10.00 = 9.73 at 34.1 °C 1507 Time Conductance Standard: 1434 umhos/cm at 21.6 °C Time Measured Value: 1390 umhos/cm at 38 °C 1500 Time Calibrated Conductivity = Measured Conductance + (0.02 (measured conductance) (25°C - Actual Temp)); 934 umhos/cm at 25°C 1501 Time Dissolved Oxygen NA mg/L at NA °C NA Time		Measurement = NA
	Equipment Used 100mm wide mouthed flame NA		Serial No.
Self Gauge Reading .22' @ 1425		Sampling Method GRAB	
Sample Type STRM STREAM		Conductivity / TEMP / TIME 710 / 21 / 1508	
pH 8.3 4.8 4.5 (7.0)		Dissolved O ₂ / TEMP / TIME 5.46 / 18.4 / 1510 NA	

Sample Location Description
1 FT UPSTREAM OF WEIR WATER 1/2" DEEP. SAMPLING 3" BELOW SETBACK

Appearance of Stream or Lake
WILLOWS & GRASSES ON BANK WITH SOME WILLOWS PARTIALLY SUBMERGED. BOTTOMS ARE W/ CLAY W/ ORGANIC MOSSY GROWTH ON TOP. LOW FLOW

Appearance of Sample
CLEAR

Condition of Station
GOOD

Current Weather Condition
PARTLY CLOUDY 41-80°F - HOT!

Previous Precipitation
15 DAYS AGO RAINED FOR 2 DAYS

ANALYSIS REQUESTED	TARGET	GC/MS	SEDIMENT	DEPLICATES	TARGET	GC/MS	SEDIMENTS
	X	X	X	X	X	X	X

Remarks:

 Sampler Signature: **Sharon Goldberg**

COMPREHENSIVE MONITORING PROJECT/ROCKY MOUNTAIN ARSENAL
SURFACE-WATER SAMPLING FIELD DATA SHEET

Page 1 of 1

Site ID Number <i>S. 1st Cr.</i> <i>SW08003</i>	Hydrogeologist(s) <i>GPP, TG</i>	Sample Numbers (range) 	Date <i>8/29/89</i>
Analytical Equipment pH Meter: <input checked="" type="checkbox"/> Bodman phi 21 <input type="checkbox"/> Omega pH46SA <input type="checkbox"/> Orion SA250 <input type="checkbox"/> Other _____ Serial No. <i>015781</i> Conductivity Meter: <input checked="" type="checkbox"/> YSI Model 33 <input type="checkbox"/> Other _____ Serial No. <i>13076</i> Dissolved Oxygen Meter: <input type="checkbox"/> YSI Model 51B Serial No. <i>NA</i> Temperature Meter: <input checked="" type="checkbox"/> Beckman <input type="checkbox"/> Other _____ Serial No. <i>015781</i> Filtration Equipment: <input type="checkbox"/> Geotech Parasitic Pump <input type="checkbox"/> Geotech 0.45 micron filter	Meter Calibration pH 7.00 = <i>7.01</i> at <i>22.6</i> °C <i>1150</i> Time pH 10.00 = <i>10.05</i> at <i>21.1</i> °C <i>1150</i> Time Conductance Standard: <i>1434</i> umhos/cm at <i>24.3</i> °C Time Measured Value: <i>1200</i> umhos/cm at <i>24.3</i> °C <i>1205</i> Time Calibrated Conductivity = Measured Conductance + (0.02 (measured conductance) (25°C - Actual Temp)): _____ Time _____ umhos/cm at 25°C Dissolved Oxygen <i>NA</i> mg/l at _____ °C Time	Discharge (CFS) <i>.0814 cfs</i>	Measurement = <i>NA</i>
	Equipment Used <i>DH-46</i> <i>100 mm flume</i>	Serial No. <i>NA</i>	Soft Gauge Reading <i>0.20</i>
	Titration Results (Acid Concentration: <input type="checkbox"/> 0.16, <input type="checkbox"/> 1.5) pH <i>8.3</i> <i>4.8</i> <i>4.5</i> (7.0)	Sampling Method <i>GRAB</i>	Sample Type <i>Suspended Sed</i>
	#Clicks <i>NA</i>	Conductivity / TEMP <i>675 / 15.3 °C @ 1233</i>	UMHOS/CM
	Color <i>NA</i>	PH <i>7.95</i> <i>@ 1230</i>	TEMP <i>15.8 °C</i> <i>DOES O. / TEMP / TIME</i>

Sample	Location	Description	Date	Time	Temp	Wind	Humidity	Pressure	Clouds	Notes
		5. 1st Cr. Sample taken ~ 13' upstream of weir, channel ~ 10' wide, 8" deep, cottonwoods along bank w/ various grasses and weeds								

Appearance of Stream or Lake
clear with some oil spots on surface

Appearance of Sample

clear

Condition of Season

gear

Current Weather Condition

clear, 85°F, 1-3 mph SW wind

Previous Precipitation

~ 17 days ago, rain for 2 days

[illegible]

COMPREHENSIVE MONITORING PROJECT/ROCKY MOUNTAIN ARSENAL
SURFACE-WATER SAMPLING FIELD DATA SHEET

Page 1 of 1

Site ID Number S. 1st Cr. Hydrogeologist(s) GPP, TG Sample Numbers (range) _____ Date 8/29/85 Page 1 of 1

SW 08004

Analytical Equipment

pH Meter:
☒ Beckman pH 21
☐ Omega pH405A
☐ Orion SA250
☐ Other _____

Serial No. 015781

Conductivity Meter:
☒ YSI Model 33
☐ Other _____

Serial No. 13076

Dissolved Oxygen Meter:
☐ YSI Model 51B

Serial No. NA

Temperature Meter:
☒ Beckman
☐ Other Q

Serial No. 015781

Filtration Equipment:
☐ Geotech Parastatic Pump
☐ Geotech 0.45 micron filter

Meter Calibration

pH 7.00 = 6.99 at 29.1 °C 1328 Time

pH 10.00 = 9.98 at 28.5 °C 1328 Time

Conductance Standard: _____ umhos/cm at 25°C

Measured Value: 1450 umhos/cm at 34 °C 1330 Time

Calibrated Conductivity = Measured Conductance + (0.02 (measured conductance) (25°C - Actual Temp)): _____

umhos/cm at 25°C _____

Dissolved Oxygen NA mg/l at _____ °C _____

Discharge (CFS) .12' = .0492 cfs Measurement # NA

Equipment Used DH-48 Serial No. NA

Staff Gauge Reading NA

Sampling Method GRAB Sample Type suspended sed.

Conductivity / TEMP 790 / 28°C 1334 umhos/cm

pH 8.26 Temp 22.8°C Dissolved O₂ / TEMP / TIME NA mg/liter

Titration Results (Acid Concentration: ☐ 0.16, ☐ 1.6)

pH 8.3 4.8 4.5 (7.0)

#Clicks NA

Color NA

Sample Location Description S. 1st Cr. channel is ~18" wide 1-2" deep with vegetation cover of mostly grass. Water is clear low flow with sandy channel bed

Appearance of Stream or Lake clear

Appearance of Sample clear

Condition of Station good

Current Weather Condition clear, hot 85°F, 1-3 mph SE wind

Previous Precipitation ~17 days ago, 2 days of rain

Remarks: _____

Sampler Signature: Greg Pudlak

Target GC/MS Sediment 735

11/130

SURFACE-WATER SAMPLING FIELD DATA SHEET 11001BD 2452-2461

Page / of 1

FOPM130

SURFACE-WATER SAMPLING FIELD DATA SHEET

Page 1 of 1OPM130

COMPREHENSIVE MONITORING PROJECT/ROCKY MOUNTAIN ARSENAL
SURFACE-WATER SAMPLING FIELD DATA SHEET

Page 1 of 1

Site ID Number SW 11001		Hydrogeologist(s) GPD, SE6, TG		Sample Numbers (range) L4193 - L4216		Date 8920 9/27/89	
Analytical Equipment pH Meter: <input checked="" type="checkbox"/> Beckman pH 21 <input type="checkbox"/> Omega pH 46SA <input type="checkbox"/> Orion SA250 <input type="checkbox"/> Other _____ Serial No. 015781 Conductivity Meter: <input checked="" type="checkbox"/> YSI Model 33 <input type="checkbox"/> Other _____ Serial No. 13076 Dissolved Oxygen Meter: <input type="checkbox"/> YSI Model 51B Serial No. NA Temperature Meter: <input checked="" type="checkbox"/> Beckman <input type="checkbox"/> Other _____ Serial No. 015781 Filtration Equipment: <input type="checkbox"/> Geotech Parasitic Pump <input type="checkbox"/> Geotech 0.45 micron filter		Motor Calibration pH 7.00 = 7.06 at 25.5 °C 0920 pH 10.00 = 10.02 at 24.7 °C 0930 Conductance Standard: 1434 umhos/cm at 21.6 °C Measured Value: 1200 umhos/cm at 24 °C 0922 Calibrated Conductivity = Measured Conductance + (0.02 (measured conductance) (25°C - Actual Temp)): 1142 umhos/cm at 25°C 0922 Dissolved Oxygen NA mg/l at _____ °C		Discharge (CFS): 0.643 cfs 0.278 NA 0.05 Measurement: NA Equipment Used: 100 mm long throat flume Serial No. NA Staff Gauge Reading: 0.72 @ 0825 Sampling Method: GRAB Sample Type: DITCH STSW Conductivity / TEMP: 130 / 16 °C pH: 7.43 TEMP: 15.2 °C @ 0924			

Sample Location Description: **Storm drainage ditch, ~5-6' wide and 5" deep, low flow some debris (aluminum, paper, plastic, dead fish, etc.)**

Appearance of Stream or Lake: **Stream is slightly opaque with film of oil**

Appearance of Sample: **opaque**

Condition of Station: **good**

Current Weather Condition: **partly cloudy, ~68 °F, wind 1-3 SW**

Previous Precipitation: **rain for 2 days, 16 days ago**

ANALYSIS REQUESTED	TARGET	GC/MS	SEDIMENT																	
	X	X	X																	

Reference: _____

Sampler Signature: **Doug Pudlak**

COMPREHENSIVE MONITORING PROJECT/ROCKY MOUNTAIN ARSENAL
SURFACE-WATER SAMPLING FIELD DATA SHEET

Page 1 of 1

Site ID Number SW 11002	Hydrogeologist(s) KH LB JK	Sample Numbers (range) K2370 - K2403 FB = K2404 - K2427	Date 89116 4/26/89	
Analytical Equipment pH Meter: <input checked="" type="checkbox"/> Beckman phi 21 <input type="checkbox"/> Omega pH-65A <input type="checkbox"/> Orion SA250 <input type="checkbox"/> Other _____ Serial No. 0145035 Conductivity Meter: <input checked="" type="checkbox"/> YSI Model 33 <input type="checkbox"/> Other _____ Serial No. 15596 Dissolved Oxygen Meter: <input type="checkbox"/> YSI Model 51B Serial No. _____ Temperature Meter: <input checked="" type="checkbox"/> Beckman <input type="checkbox"/> Other _____ Serial No. 0145035 Filtration Equipment: <input checked="" type="checkbox"/> Geotech Parastatic Pump <input checked="" type="checkbox"/> Geotech 0.45 micron filter	Meter Calibration pH 7.00 = 7.00 at 26.2 °C Time 1159 pH 10.00 = 10.02 at 24.6 °C Time 1201 Conductance Standard: 1000 umhos/cm at 25°C Time _____ Measured Value: 900 umhos/cm at 25 °C Time 1158 Calibrated Conductivity = Measured Conductance + (0.02 (measured conductance) (25°C - Actual Temp)); Time _____ 400 umhos/cm at 25°C Time 1200 Dissolved Oxygen NA mg/l at NA °C NA	Discharge (CFS) .365 Equipment Used CURLEY #625 PYGMY Serial No. NN6349 Staff Gauge Reading NA Sampling Method GRAB Sample Type STRM Conductivity / TEMP 250 umhos/cm 25.5°C	Measurement: Serial No. _____ Sample Type _____ Conductivity / TEMP 250 umhos/cm 25.5°C	
	Titration Results (Acid Concentration: <input type="checkbox"/> 0.16, <input checked="" type="checkbox"/> 1.5) pH 8.3 4.8 4.5 #Clicks 17 56 57 Color clear pink pink clear	pH 9.82 TEMP 24.0 Dissolved O ₂ / TEMP / TIME 9.96 26.2 NA		
	Sample Location Description 20 FEET WEST (UPSTREAM) OF BRIDGE			
	Appearance of Stream or Lake LOW FLOW, CLEAR WATER; LOTS OF GRAVEL IN SEDIMENT			
Appearance of Sample LIGHT BROWN				
Condition of Station GOOD				
Current Weather Condition SUNNY, CLEAR, 70°F, LT BREEZE 0-5 MPH				
Previous Precipitation 0 - TRACE 4 DAYS AGO				

ANALYSIS REQUESTED	TARGET	GC/MS	SEDIMENT	FIELD BLANK	TEMP	REMARKS
X	X	X		X		FIELD RINSE BLANK (DISTILLED H ₂ O poured directly into bottles and bottles left uncapped for 25 min.) Date 89116 Sampler Signature: <i>[Signature]</i>

COMPREHENSIVE MONITORING PROJECT/ROCKY MOUNTAIN ARSENAL
SURFACE-WATER SAMPLING FIELD DATA SHEET

Page 1 of

Site ID Number <u>HW INT</u> <u>SW011002</u>		Hydrogeologist(s) <u>JK LB</u>		Sample Numbers (range) <u>K7489 - K7509</u>		Date <u>89130 5/10/83</u>	
Analytical Equipment pH Meter: <input checked="" type="checkbox"/> Beckman phi 21 <input type="checkbox"/> Omega pH4-6SA <input type="checkbox"/> Orion SA250 <input type="checkbox"/> Other _____ Serial No. <u>0145035</u> Conductivity Meter: <input checked="" type="checkbox"/> YSI Model 33 <input type="checkbox"/> Other _____ Serial No. <u>15596</u> Dissolved Oxygen Meter: <input type="checkbox"/> YSI Model 51B Serial No. _____ Temperature Meter: <input checked="" type="checkbox"/> Beckman <input type="checkbox"/> Other _____ Serial No. <u>0145035</u> Filtration Equipment: <input checked="" type="checkbox"/> Geotech Parastatic Pump <input checked="" type="checkbox"/> Geotech 0.45 micron filter		Meter Calibration pH 7.00 = <u>7.02</u> at <u>17.7</u> °C <u>1725</u> pH 10.00 = <u>10.09</u> at <u>17.6</u> °C <u>1725</u> Conductance Standard: <u>1000</u> umhos/cm at 25°C Measured Value: <u>825</u> umhos/cm at <u>21</u> °C <u>1724</u> Calibrated Conductivity = Measured Conductance + (0.02 (measured conductance) (25°C - Actual Temp)): _____ <u>891</u> umhos/cm at 25°C <u>1727</u> Dissolved Oxygen <u>NA</u> mg/l at <u>NA</u> °C <u>NA</u>		Discharge (CFS) <u>NA</u> Equipment Used <u>NA</u> Sed. Gauge Reading <u>WITH STAFF FELL IN STREAM</u> <u>FLUCTUATING @ (1608) (1620)</u> <u>.96 - .99 START / .95 - 1.00 FINISH</u> Sampling Method <u>GRAB</u> Sample Type <u>STRM</u> Conductivity / TEMP <u>125 @ 21°C</u> pH <u>8.3</u> <u>7.2</u> Dissolved O ₂ / TEMP / TIME <u>NA</u>		Measurements = <u>NA</u> Serial No. <u>NA</u>	
		Titration Results (Acid Concentration: <input type="checkbox"/> 0.16, <input type="checkbox"/> 1.6) pH <u>8.3</u> <u>4.8</u> <u>4.5</u> (7.0) #Clicks Color					
		Sample Location Description <u>SAMPLE IN CANAL BOTTOM, APPROXIMATELY 10 FT DOWNSTREAM OF BRIDGE STRUCTURE ACROSS CANAL @ BUBBLER LINE</u>					
		Appearance of Stream or Lake <u>HIGH FLOWS WITH ABUNDANCE OF DEBRIS AND ORGANICS</u> <u>DIRTY BROWN APPEARANCE</u>					
Appearance of Sample <u>BROWN, MURKY APPEARANCE, WITH DEBRIS AND ORGANICS</u>							
Condition of Station <u>GOOD SHAPE, WITH CR10 DATA-LOGGER BUT NO STEPPER OR STAFF GAGE</u>							
Current Weather Condition <u>COOL, PARTLY CLOUDY, WINDY</u> <u>STORM IS PASSING TO THE EAST, WEATHER IS IMPROVING</u>							
Previous Precipitation <u>APPROX 1/4" IN IMMEDIATE DRAINAGE AREAS</u>							
ANALYSIS REQUESTED TARGET <input checked="" type="checkbox"/> GC/MS <input checked="" type="checkbox"/> SEDIMENT <input type="checkbox"/>				Remarks: <u>NO INCREASE TAKEN SINCE</u> <u>FOR SAMPLING OTHER SITES</u> <u>WITH FERRING FLOWS</u> Sampler <u>SP-220</u> <u>John Koelma</u>			

Page 10

FOPM130

COMPREHENSIVE MONITORING PROJECT/ROCKY MOUNTAIN ARSENAL
SURFACE-WATER SAMPLING FIELD DATA SHEET

Page 131

Site ID Number SW11003	Hydrogeologist(s) AK, LB, KH	Sample Numbers (range) K2055 - K2075	Page 1										
Analytical Equipment pH Meter: <input checked="" type="checkbox"/> Beckman pH 21 <input type="checkbox"/> Omega pH465A <input type="checkbox"/> Orion SA250 <input type="checkbox"/> Other _____ Serial No. 0145035 Conductivity Meter: <input checked="" type="checkbox"/> YSI Model 33 <input type="checkbox"/> Other _____ Serial No. 15996 Dissolved Oxygen Meter: <input type="checkbox"/> YSI Model 51B Serial No. _____ Temperature Meter: <input checked="" type="checkbox"/> Beckman <input type="checkbox"/> Other _____ Serial No. 0145035 Filtration Equipment: <input checked="" type="checkbox"/> Geotech Parastatic Pump <input checked="" type="checkbox"/> Geotech 0.45 micron filter		Date 8/25/59 Motor Calibration pH 7.00 = 7.01 at 21.8 °C Time 1515 pH 10.00 = 10.06 at 20.8 °C Time 1516 Conductance Standard: 1000 umhos/cm at 25°C Measured Value: 875 umhos/cm at 22 °C Time 1516 Calibrated Conductivity = Measured Conductivity - (0.02 (measured conductance) (25°C - Actual Temp)) Time 927.5 umhos/cm at 25°C Time 1518 Dissolved Oxygen _____ mg/l at _____ °C _____ Titration Results (Acid Concentration: <input type="checkbox"/> 0.1N <input checked="" type="checkbox"/> 1.0N) pH 8.3 4.8 4.5 (7.0) <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td>#Cicks</td> <td>18</td> <td>34</td> <td>48</td> <td>31</td> </tr> <tr> <td>Color</td> <td>GLN</td> <td>BROWN</td> <td>PINK</td> <td>GREEN-CLEAR</td> </tr> </table>		#Cicks	18	34	48	31	Color	GLN	BROWN	PINK	GREEN-CLEAR
#Cicks	18	34	48	31									
Color	GLN	BROWN	PINK	GREEN-CLEAR									
		Discharge (CFS): NA Equipment Used: NA Serial No.: NA Soil Gauge Reading: 6.75 @ 1540 Sampling Method: GRAB Sample Tag: 1 Conductivity / TEMP: 575 @ 22° pH: 9.05 TEMP: 19.7 Dissolved O ₂ / TEMP / TIME: NA 1523											

LOCATION IS DIRECTLY ADJACENT TO THE MONITORING STATION, WEST SIDE

Appearance of Stream or Lake

SURFACE UNIFORM, RIPPLED DUE TO WIND

Appearance of Sample

CLEAR TO SLIGHTLY CLOUDY

Condition of Station

GOOD CONDITION, WATER LEVEL IS LOW AND MOST OF THE STATION IS EXPOSED, STAFF GAUGE OUT OF WATER, ALL D.G. A DITCH

Current Weather Condition

COOL (60°) SUNNY w/ PATCHY CLOUDS, WINDS \Rightarrow 15 KPH

Previous Precipitation

D-TRACE FOR LAST 2 WEEKS

ANALYSIS REQUESTED						Remarks:
X	TARGET					
X	G.C./M.S.					
	SEDIMENT					

Sampler *[Signature]*

COMPREHENSIVE MONITORING PROJECT/ROCKY MOUNTAIN ARSENAL
SURFACE-WATER SAMPLING FIELD DATA SHEET

Page 1 of 1

Site ID Number <i>Uvalde Ditch C</i> 12001	Hydrogeologist(s) L.B., S.B., K.H., J.K.	Sample Numbers (range) K1826 - K1846	Date 8/9/10
Analytical Equipment pH Meter: <input checked="" type="checkbox"/> Beckman pH 21 <input type="checkbox"/> Omega pH-65A <input type="checkbox"/> Orion SA250 <input type="checkbox"/> Other _____ Serial No. 0145035 Conductivity Meter: <input checked="" type="checkbox"/> YSI Model 33 <input type="checkbox"/> Other _____ Serial No. 15596 Dissolved Oxygen Meter: <input type="checkbox"/> YSI Model 51B Serial No. 15596 Temperature Meter: <input checked="" type="checkbox"/> Beckman <input type="checkbox"/> Other _____ Serial No. 0145035 Filtration Equipment: <input type="checkbox"/> Geotech Parastatic Pump <input type="checkbox"/> Geotech 0.45 micron filter	Meter Calibration pH 7.00 = 7.01 at 22.6 °C 955 Time pH 10.00 = 10.05 at 21.8 °C 955 Time Conductance Standard: 1000 umhos/cm at 25°C Time Measured Value: 880 umhos/cm at 22 °C 956 Calibrated Conductivity = Measured Conductance + (0.02 (measured conductance) (25°C - Actual Temp)): Time 932.8 umhos/cm at 25°C 956 Dissolved Oxygen NA mg/l at _____ °C Time	Discharge (CFS) 325 Equipment Used Gurley No 625 Pygmy current meter NNE349 Staff Gauge Reading NO staff at this station Sampling Method GRAB Sample Type Ditch Conductivity 750 / 15.8 °C umhos/cm pH 8.19 / 13.8 °C Dissolved O ₂ NA mg/l	
	Titration Results (Acid Concentration: <input type="checkbox"/> 0.16, <input checked="" type="checkbox"/> 1.6) pH 8.3 5.1 4.8 4.5 (7.0) #Clicks — 230 232 Color — light pink pink		

Sample Location Description East branch of Uvalde Ditch system, ~100 FT east of junction with W-S Uvalde Interceptor. Sample taken ~35' east of sample static, current meter reading taken ~25' east of sample static

Appearance of Stream or Lake Ditch initially full of tumble weeds. Removed tumble weeds before current reading. Bottom of ditch very silty, about 2'-6" of silt. Low flowing water is clear

Appearance of Sample clear to slightly cloudy

Condition of Station Tumble weeds in ditch in some places. Occasional trash along banks

Current Weather Condition Partly cloudy, 80° F

Previous Precipitation Snow fell 11 days previous, no recent precip warm last several days

<div style="display: flex; flex-direction: row-reverse;"> <div style="writing-mode: vertical-rl; transform: rotate(180deg);"> Target 6.6 mg Sediment </div> <div style="width: 100%; height: 100%;"></div> </div>	Remarks:
Sampler Signature	

COMPREHENSIVE MONITORING PROJECT/ROCKY MOUNTAIN ARSENAL
SURFACE-WATER SAMPLING FIELD DATA SHEET

Page 1 of

Site ID Number 12001		Hydrogeologist(s) S. GOLDBERG G. PUDAK T. GEISELMAN		Sample Numbers (range) L4237 - L4253		Date 8/26/88	
Analytical Equipment pH Meter: <input type="checkbox"/> Beckman pH 21 <input type="checkbox"/> Omega pH-465A <input type="checkbox"/> Orion SA250 <input type="checkbox"/> Other _____ Serial No. <u>015781</u> Conductivity Meter: <input checked="" type="checkbox"/> YSI Model 33 <input type="checkbox"/> Other _____ Serial No. <u>13076</u> Dissolved Oxygen Meter: <input checked="" type="checkbox"/> YSI Model 51B <input type="checkbox"/> Other _____ Serial No. <u>NA</u> Temperature Meter: <input checked="" type="checkbox"/> Beckman <input type="checkbox"/> Other _____ Serial No. <u>015781</u> Filtration Equipment: <input type="checkbox"/> Geotech Peristaltic Pump <input type="checkbox"/> Geotech 0.45 micron filter		Meter Calibration pH 7.00 = <u>6.99</u> at <u>30.4</u> °C Time <u>1512</u> pH 10.00 = <u>9.98</u> at <u>28.4</u> °C Time <u>1514</u> Conductance Standard: <u>1434</u> umhos/cm at 25°C Time <u>216</u> Measured Value: <u>1290</u> umhos/cm at <u>30</u> °C Time <u>1516</u> Calibrated Conductivity = Measured Conductance + (0.02 (measured conductance) (25°C - Actual Temp)): Time <u>1073</u> ^{21.6} umhos/cm at 25°C Time <u>1516</u> Dissolved Oxygen <u>NA</u> mg/l at <u>NA</u> °C <u>NA</u>		Discharge (CFS) <u>NA</u> ^{812.78} ₅₀ Measurement # <u>NA</u> Equipment Used <u>NA</u> Serial No. <u>NA</u> Staff Gauge Reading <u>NA</u> Sampling Method <u>GRAB</u> Sample Type <u>DTCH</u> Conductivity / TEMP <u>580 / 19°C / 1518</u> umhos/cm pH <u>9.63</u> TEMP <u>16.6</u> Dissolved O ₂ / TEMP / TIME <u>NA</u> mg/liter			
		Titration Results (Acid Concentration: <input type="checkbox"/> 0.16, <input type="checkbox"/> 1.6) pH <u>8.3</u> <u>4.8</u> <u>4.5</u> (7.0) #Clicks <u>NA</u> Color _____					
		Sample Location Description <u>30 ft UPSTREAM OF SAMPLE LOCATION POS</u> <u>DEPTH 16", SAMPLING 42" BWS., SIGHT FROM OD TOP OF WATER</u> TIME <u>1516</u>					
		Appearance of Stream or Lake <u>LOW FLOW, GLASSY BANKS, GRASSY PLANTS ON BOTTOM, STRAIGHT CHANNEL</u> <u>LOTS OF SNAILS</u>					
Appearance of Sample <u>CLEAR W/ SOME ORGANIC DEBRIS FLOTTING</u>							
Condition of Station <u>OK</u>							
Current Weather Condition <u>HOT. W/ B.O.F. CLEAR</u>							
Previous Precipitation <u>W/ 14 DAYS AGO, HEAVY RAIN FOR 2 DAYS</u>							
ANALYSIS REQUESTED TARGET <input checked="" type="checkbox"/> GC/MS <input type="checkbox"/> SEDIMENT <input type="checkbox"/>				Remarks: Sampler Signature: <u>Shirley Goldberg</u>			

COMPREHENSIVE MONITORING PROJECT/ROCKY MOUNTAIN ARSENAL
SURFACE-WATER SAMPLING FIELD DATA SHEET

Page 1 of 1

Site ID Number SW12002	Hydrogeologist(s) JK, BS	Sample ID Number(s) K1847 - K1867	Date 89135 5/15/89	
Analytical Equipment pH Meter: <input checked="" type="checkbox"/> Beckman pH 21 <input type="checkbox"/> Omega pH-6SA <input type="checkbox"/> Orion SA250 <input type="checkbox"/> Other _____ Serial No. 0144750 Conductivity Meter: <input checked="" type="checkbox"/> YSI Model 33 <input type="checkbox"/> Other _____ Serial No. 14051 Dissolved Oxygen Meter: <input type="checkbox"/> YSI Model 51B Serial No. _____ Temperature Meter: <input checked="" type="checkbox"/> Beckman <input type="checkbox"/> Other _____ Serial No. 0144750 Filtration Equipment: <input checked="" type="checkbox"/> Geotech Parastatic Pump <input checked="" type="checkbox"/> Geotech 0.45 micron filter	Motor Calibration pH 7.00 = 7.03 at 15.3 °C 1820 pH 10.00 = 10.12 at 15.1 °C 1821 Conductance Standard: 1000 umhos/cm at 25°C Measured Value: 825 umhos/cm at 16 °C 1820 Calibrated Conductivity = Measured Conductance + (0.02 (measured conductance) (25°C - Actual Temp)): 973.5 umhos/cm at 25°C 1822 Dissolved Oxygen NA mg/l at NA °C NA	Discharge (CFS) NA Equipment Used NA Staff Gauge Reading (OSS @ 12005 = 6.00) NONE INSTALLED AT SITE Sampling Method GRAB Sample Type DITCH	Measurement # NA Serial No. NA Conductivity / TEMP 25 umhos/cm @ 16 °C pH 7.57 TEMP 9.6 Dissolved O ₂ / TEMP / TIME NA	
	Titration Results (Acid Concentration: <input type="checkbox"/> 0.16, <input type="checkbox"/> 1.5) pH 8.3 4.8 4.5 (7.5) #Clicks Color			

Sample Location Description
SAMPLE FROM UVALDE SUBSIDIARY DITCH @ ~ 10' BEFORE MAIN UVALDE CHANNEL

Appearance of Stream or Lake
LOW - MODERATE FLOW

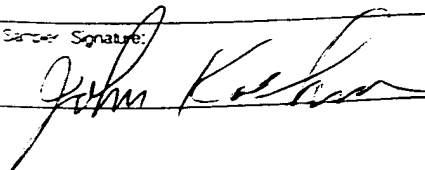
Appearance of Sample
CLOUDY, SILTY WITH A FAIR AMOUNT OF ORGANIC MATERIALS

Condition of Station
NO STATION

Current Weather Condition
RAINING, COOL

Previous Precipitation
< 1/4" RAINING AS WE SAMPLE

ANALYSIS REQUESTED	TARGET	GC/MS	SEDIMENT																	
<input checked="" type="checkbox"/>																				

Revised: _____
 Sampler Signature: 

COMPREHENSIVE MONITORING PROJECT/ROCKY MOUNTAIN ARSENAL
SURFACE-WATER SAMPLING FIELD DATA SHEET

Page 1 of 1

Site ID Number Red + Green Club Pond SWR12003	Hydrogeologist(s) S. GOLDBERG K. HEDBERG L. BROWNE	Sample Numbers (range) K1807 - K1907 K1942 - K1951	Date 8/11/00
Analytical Equipment pH Meter: <input checked="" type="checkbox"/> Beckman pH 21 <input type="checkbox"/> Omega pH465A <input type="checkbox"/> Orion SA250 <input type="checkbox"/> Other _____ Serial No. 0145035 Conductivity Meter: <input checked="" type="checkbox"/> YSI Model 33 <input type="checkbox"/> Other _____ Serial No. 15596 Dissolved Oxygen Meter: <input checked="" type="checkbox"/> YSI Model 51B Serial No. 13634 Temperature Meter: <input checked="" type="checkbox"/> Beckman <input type="checkbox"/> Other 0145035 Serial No. 0145035 Titration Equipment: <input checked="" type="checkbox"/> Geotech Parasitic Pump <input checked="" type="checkbox"/> Geotech 0.45 micron filter	Meter Calibration pH 7.00 = 6.99 at 27.6 °C 1157 Time pH 10.00 = 9.99 at 27.5 °C 1158 Time Conductance Standard: 1000 umhos/cm at 25°C Time Measured Value: 763 umhos/cm at 30 °C 1204 Time Calibrated Conductivity = Measured Conductance + (0.02 (measured conductance) (25°C - Actual Temp)): Time 909 umhos/cm at 25°C 1204 Time Dissolved Oxygen 5.9 mg/L at 25 °C 1210 Time	Discharge (CFS): NA Measurement = NA Equipment Used NA Serial No. Staff Gauge Reading N.A. Sampling Method GRAB Sample Type LAKE Conductivity/TEMP 1200 umhos / 22°C	
	Titration Results (Acid Concentration: <input type="checkbox"/> 0.16, <input checked="" type="checkbox"/> 1.6) pH 8.3 4.8 4.5 (7.0) #Clicks — 298 308 31 Color — PINK PINK GREEN	pH 7.50 TEMP: 19.3°C Dissolved O ₂ : 3.6 TIME: 1201 TIME: 1210	
	Sample Location Description N SIDE OF POND, 18FT FROM WATERS EDGE, 13FT WIDE Appearance of Stream or Lake: POND BOTTOM VERY SILTY, SINK HOLE ABOUT 3". POND IS SURROUNDED BY APPROX 50 FT OF MARSH REEDS. ABOUT 20FT FROM WATERS EDGE, GROUND IS SATURATED		
	Appearance of Sample V. SLIGHTLY BROWN. A LITTLE BIT PARTICULATE. Condition of Station OK. Current Weather Condition >80°F, SL. CLOUDY, SLIGHT BREEZE Previous Precipitation 11 DAYS AGO SNOW VERY HOT LAST 2 DAYS (>90°F)		

ANALYSIS REQUESTED	TARGET	GC/MS	SEDIMENT	Remarks: STOOD 2 FEET, 3FT OF LATE AND FILLED GUTS DIRECTLY FROM POND Sampler Signature: <i>[Signature]</i>
	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	

COMPREHENSIVE MONITORING PROJECT/ROCKY MOUNTAIN ARSENAL
SURFACE-WATER SAMPLING FIELD DATA SHEET

Page 1 of 1

Site ID Number SW12004		Hydrogeologist(s) KH SG LB		Sample Numbers (range) K1775-K1804		Date 89109																																									
Analytical Equipment pH Meter: <input checked="" type="checkbox"/> Beckman phi 21 <input type="checkbox"/> Omega pH465A <input type="checkbox"/> Orion SA250 <input type="checkbox"/> Other _____ Serial No. 0145035 Conductivity Meter: <input checked="" type="checkbox"/> YSI Model 33 <input type="checkbox"/> Other _____ Serial No. 15596 Dissolved Oxygen Meter: <input checked="" type="checkbox"/> YSI Model 51B Serial No. 13634 Temperature Meter: <input checked="" type="checkbox"/> Beckman <input type="checkbox"/> Other _____ Serial No. 0145035 Filtration Equipment: <input checked="" type="checkbox"/> Geotech Parastatic Pump <input checked="" type="checkbox"/> Geotech 0.45 micron filter		Meter Calibration pH 7.00 = <u>7.01</u> at <u>20.7</u> °C <u>1340</u> Time pH 10.00 = <u>10.06</u> at <u>20.6</u> °C <u>1342</u> Time Conductance Standard: <u>1000</u> umhos/cm at 25°C Time Measured Value: <u>790</u> umhos/cm at <u>22</u> °C <u>1342</u> Time Calibrated Conductivity = Measured Conductance + (0.02 (measured conductance) (25°C - Actual Temp)): <u>795</u> umhos/cm at 25°C <u>1345</u> Time Dissolved Oxygen <u>7.9</u> mg/l at <u>18.5</u> °C <u>1349</u> Time		Discharge (CFS): NA		Measurement: NA																																									
		Equipment Used: NA		Serial No.: NA																																											
		Staff Gauge Reading: NA																																													
		Sampling Method: GRAB		Sample Type: STSW																																											
		Titration Results (Acid Concentration): <input type="checkbox"/> 0.16, <input checked="" type="checkbox"/> 1.5 pH: <u>8.3</u> <u>4.8</u> <u>4.5</u> (7.0)		Conductivity / TEMP 250 18°C																																											
<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td>#Clicks</td> <td>NA</td> <td>08</td> <td>76</td> <td>6</td> </tr> <tr> <td>Color</td> <td>NA</td> <td>PINK</td> <td>PINK</td> <td>green</td> </tr> </table>		#Clicks	NA	08	76	6	Color	NA	PINK	PINK	green	pH: 7.16		TEMP: 23.7		Dissolved O ₂ / TEMP / TIME 2.7 mg/l / 18.6°C 1350																															
#Clicks	NA	08	76	6																																											
Color	NA	PINK	PINK	green																																											
Sample Location Description 20-30 feet NORTH OF STORM SEWER; JUST PAST STAGNANT WATER AND BUSHES (WHICH CREATED STAGNANT POOL)																																															
Appearance of Stream or Lake BLACK IN COLOR, OILY SHEEN ON SURFACE, LOTS OF TRASH IN STORM SEWER INCLUDING OIL CONTAINERS, STYROFOAM, ALUM. CANS																																															
Appearance of Sample CLOUDY, BROWN; FLOATABLES - ORGANIC AND INORGANIC MATTER																																															
Condition of Station FULL OF TRASH, TUMBLEWEEDS, ORGANIC MATTER. NO WATER FLOW - THROUGH SEDIMENT CEMENT TUNNEL BUT WATER IS FLOWING UNDER TUNNEL																																															
Current Weather Condition SUNNY; HIGH CLOUDS; slight breeze (0-5 mph); 75°F																																															
Previous Precipitation 10 DAYS PREVIOUSLY: SNOWFALL																																															
ANALYSIS REQUESTED <table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td>TARGET</td> <td>GC/MS</td> <td>SEDIMENT</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>X</td> <td></td> <td>X</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> </table>					TARGET	GC/MS	SEDIMENT																		X		X																		Signature: Sample Signature: <i>[Signature]</i>		
TARGET	GC/MS	SEDIMENT																																													
X		X																																													

COMPREHENSIVE MONITORING PROJECT/ROCKY MOUNTAIN ARSENAL
SURFACE-WATER SAMPLING FIELD DATA SHEET

Page 1 of 1

Site ID Number	Hydrogeologist(s) SUSAN GOLDBERG GREG FUDLIK TERRY GISELMAN	Sample Numbers (range)	Date
SW12004		4354-14270	89268
Analytical Equipment	Meter Calibration	Distance (FS)	Measurement =
pH Meter: <input checked="" type="checkbox"/> Beckman pH 21 <input type="checkbox"/> Omega pH46SA <input type="checkbox"/> Orion SA250 <input type="checkbox"/> Other _____	pH 7.00 = <u>6.99</u> at <u>28.3</u> = <u>455</u> Time	1.4 - STAGNANT	NA
Serial No. <u>015981</u>	pH 10.00 = <u>9.98</u> at <u>28.3</u> = <u>1459</u> Time	Equipment Used	Serial No.
Conductivity Meter: <input checked="" type="checkbox"/> YSI Model 33 <input type="checkbox"/> Other _____	Conductance Standard: <u>1434</u> umhos/cm at <u>21.6</u> Time	<u>NA</u>	<u>NA</u>
Serial No. <u>13076</u>	Measured Value: <u>1290</u> umhos/cm at <u>30</u> = <u>1457</u> Time	Soil Gauge Reading	
Dissolved Oxygen Meter: <input type="checkbox"/> YSI Model 51B	Calibrated Conductivity = Measured Conductance - 0.02 (measured conductance) (21.6) Actual Temp: <u>1457</u> <u>1073</u> umhos/cm at 25°C Time	<u>NA</u>	
Serial No. <u>NA</u>	Dissolved Oxygen <u>NA</u> mg/l at <u>1.2</u> = <u>NA</u> Time	Sampling Method	Sample Type
Temperature Meter: <input checked="" type="checkbox"/> Beckman <input type="checkbox"/> Other <u>015</u>	Titration Results (Acid Concentration) <input type="checkbox"/> 0.1N <input type="checkbox"/> 1.0N	<u>GRAB</u>	<u>STEW</u> <u>GRAB</u>
Serial No. <u>015781</u>	pH <u>8.3</u> <u>4.8</u> <u>4.5</u> (7.0)	Conductivity / TEMP / TIME	
Filtration Equipment: <u>NA</u> <input type="checkbox"/> Geotech Parastatic Pump <input type="checkbox"/> Geotech 0.45 micron filter	#Cicks <u>NA</u>	<u>253</u> / <u>22</u> / <u>1400</u> umhos/cm	
	Color <u>NA</u>	pH <u>7.49</u> Dissolved O ₂ / TEMP / TIME	
		<u>NA</u>	

Sample Location Description

1 FT NORTH OF CULVERT, WATER IS 2' DEEP. SAMPLING 1-5.3" CHANNEL WIDTH 1.6 FT

Appearance of Stream or Lake

STAGNANT MUCKY OR SUBSTANCE FLOATING IDENTIFICATION ON BACK SIDE - WATER IS TO BE
SMELLS, FLOATING ORGANIC MATERIAL, SOME TASTE. CHANNEL - FINE SAND, MUD

Appearance of Sample

CLOUDY, NOT MUCH SEDIMENT

Condition of Season

OK

Current Weather Condition

CLEAR, HOT, APPROXIMATELY 75° - 80°F

Previous Precipitation

14 DAYS AGO, RAINED FOR APPROXIMATELY 24 HOURS.

ANALYSIS REQUESTED						Remarks:
<input checked="" type="checkbox"/>	TARGET					
<input checked="" type="checkbox"/>	GC/MS					
<input checked="" type="checkbox"/>	SEDIMENT					
<input type="checkbox"/>						
<input type="checkbox"/>						
<input type="checkbox"/>						
<input type="checkbox"/>						

COMPREHENSIVE MONITORING PROJECT/ROCKY MOUNTAIN ARSENAL
SURFACE-WATER SAMPLING FIELD DATA SHEET

Page 1 of 1

Site ID Number SW/2005	Hydrogeologist(s) LB, KH, PW, BS, SG, JK	Sample Numbers (range) K1606 - K1639	Date 8/9/07											
Analytical Equipment pH Meter: <input checked="" type="checkbox"/> Beckman phi 21 <input type="checkbox"/> Omega pH-65A <input type="checkbox"/> Orion SA250 <input type="checkbox"/> Other _____ Serial No. 0145035 Conductivity Meter: <input checked="" type="checkbox"/> YSI Model 33 <input type="checkbox"/> Other _____ Serial No. 15596 Dissolved Oxygen Meter: <input type="checkbox"/> YSI Model 51B Serial No. _____ Temperature Meter: <input checked="" type="checkbox"/> Beckman <input type="checkbox"/> Other _____ Serial No. 0145035 Filtration Equipment: <input checked="" type="checkbox"/> Geotech Parastatic Pump <input checked="" type="checkbox"/> Geotech 0.45 micron filter	Meter Calibration pH 7.00 = 6.99 at 26.8 °C 1340 Time pH 10.00 = 10.00 at 26.5 °C 1342 Time Conductance Standard: 1000 umhos/cm at 25°C Time Measured Value: 360 umhos/cm at 26 °C 1345 Time Calibrated Conductivity = Measured Conductance + (0.02 (measured conductance) (25°C - Actual Temp)): Time 877 umhos/cm at 25°C 1346 Time Dissolved Oxygen NA mg/l at _____ °C _____	Discharge (CFS) Measurement: NO	Equipment Used Pygmy current meter Serial No. +625 NO. N1.2349											
	Titrant Results (Acid Concentration: <input checked="" type="checkbox"/> 0.16, <input type="checkbox"/> 1.5) pH 8.3 4.8 4.5 (7.0)	Sampling Method GRAB	Sample Type STRM	Conductivity / TEMP 690 / 19.5 °C										
	<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td>#Clicks</td> <td>153</td> <td>2258</td> <td>2334</td> <td></td> </tr> <tr> <td>Color</td> <td>light green</td> <td>pink</td> <td>dark pink</td> <td></td> </tr> </table>	#Clicks	153	2258	2334		Color	light green	pink	dark pink		pH 8.9	TEMP 18.5 °C	Dissolved O ₂ / TEMP / TIME NA
	#Clicks	153	2258	2334										
Color	light green	pink	dark pink											
Sample Location Description Sample taken in notch of control structure at gaging station	Appearance of Stream or Lake stream bottom sandy, clean even flow minor paper and plastic trash in stream													
Appearance of Sample clean to very light brown														
Condition of Station all equipment functional - bubbler and stilling well working														
Current Weather Condition clear to partly cloudy, slight breeze from the NW Air temp ~ 70° F														
Previous Precipitation 8 days previously had a snow fall														
ANALYSIS REQUESTED TARGET <input checked="" type="checkbox"/> GC/MS <input checked="" type="checkbox"/> SEDIMENT <input checked="" type="checkbox"/> 1504/6C/MS <input checked="" type="checkbox"/>	Remarks: Sampler Signature: Joe Bruns													

SURFACE-WATER SAMPLING FIELD DATA SHEET

Page 1 of 1

Site ID Number <u>3, VALPA</u> <u>SW12005</u>	Hydrogeologist(s) <u>TK, LB</u>	Sample Numbers (range) <u>K7510 - K7530</u>	Date <u>89130</u> <u>5/10/89</u>
Analytical Equipment pH Meter: <input checked="" type="checkbox"/> Beckman phi 21 <input type="checkbox"/> Omega pH46SA <input type="checkbox"/> Orion SA250 <input type="checkbox"/> Other _____ Serial No. <u>0145035</u> Conductivity Meter: <input checked="" type="checkbox"/> YSI Model 33 <input type="checkbox"/> Other _____ Serial No. <u>15596</u> Dissolved Oxygen Meter: <input type="checkbox"/> YSI Model 51B Serial No. _____ Temperature Meter: <input checked="" type="checkbox"/> Beckman <input type="checkbox"/> Other _____ Serial No. <u>0145035</u> Filtration Equipment: <input checked="" type="checkbox"/> Geotech Parastatic Pump <input checked="" type="checkbox"/> Geotech 0.45 micron filter	Meter Calibration pH 7.00 = <u>7.02</u> at <u>17.7</u> °C <u>1725</u> Time pH 10.00 = <u>10.09</u> at <u>17.6</u> °C <u>1725</u> Time Conductance Standard: <u>1000</u> umhos/cm at 25°C Time Measured Value: <u>825</u> umhos/cm at <u>21</u> °C <u>1724</u> Time Calibrated Conductivity = Measured Conductance + (0.02 (measured conductance) (25°C - Actual Temp)); Time <u>891</u> umhos/cm at 25°C <u>1727</u> Time Dissolved Oxygen <u>NA</u> mg/l at <u>NA</u> °C <u>NA</u> Time Titration Results (Acid Concentration: <input type="checkbox"/> 0.16, <input type="checkbox"/> 1.6) pH <u>8.3</u> <u>4.8</u> <u>4.5</u> (7.0) #Clicks Color	Discharge (CFS): <u>NA</u> Equipment Used <u>NA</u> Serial Gauge Reading <u>4.58</u> <u>STEVENS</u> <u>@ 4.35</u> Sampling Method <u>GRAB</u> Conductivity / TEMP <u>200 @ 21°C</u> pH <u>8.40</u> <u>18.4</u> <u>NA</u>	Measurement # <u>NA</u> Serial No. <u>NA</u> Sample Type <u>S</u> <u>OK 8913</u> <u>STRM</u> TEMP / TIME <u>NA</u>

Sample Location Description

SAMPLED OUT OF NOTCH IN WEIR, WATER IS NOT TOTALLY CRESTING WEIR BUT IS CLOSE

Appearance of Stream or Lake

HIGH FLOW WITH A FAIR AMOUNT OF DEBRIS AND ORGANICS. LIB-
SHOWN ON SURFACE

Appearance of Sample

BROWN MURKY LOOK. WITH DEBRIS AND ORG. E. INTERMIXED

Condition of Station

STATION IN GOOD SHAPE, STILLING WELL INLETS E-2 TIME LAB
RELATIVE TO CHART FEEDS

Current Weather Condition

COOL, PARTLY CLOUDY, LT WIND

STORM WHICH CAUSED HIGH FLOWS HAS PASSED TO THE SOUTHWEST

Previous Precipitation

MAY HAVE BEEN UP TO $\frac{1}{4}$ " OF FAIN APPROXIMATELY $\frac{1}{2}$ HOURS

[illegible]

COMPREHENSIVE MONITORING PROJECT/ROCKY MOUNTAIN ARSENAL
SURFACE-WATER SAMPLING FIELD DATA SHEET

Page 1 of 1

Site ID Number SW12005	Hydrogeologist(s) SEG, GPP, T.G.	Sample Numbers (range) L4291 - L4314	Date 89269
Analytical Equipment pH Meter: <input checked="" type="checkbox"/> Beckman phi 21 <input type="checkbox"/> Omega pH-H6SA <input type="checkbox"/> Orion SA250 <input type="checkbox"/> Other _____ Serial No. 015781 Conductivity Meter: <input checked="" type="checkbox"/> YSI Model 33 <input type="checkbox"/> Other _____ Serial No. 13076 Dissolved Oxygen Meter: <input type="checkbox"/> YSI Model 51B Serial No. NA Temperature Meter: <input checked="" type="checkbox"/> Beckman <input type="checkbox"/> Other DR Serial No. 015781 Filtration Equipment: <input type="checkbox"/> Gated Parastatic Pump <input type="checkbox"/> Gated 10.45 micron filter	Meter Calibration pH 7.00 = 7.03 at 20.8 °C 0906 pH 10.00 = 10.05 at 21.1 °C 0907 Conductance Standard: 1434 umhos/cm at 21.6 °C Measured Value: 1100 umhos/cm at 21 °C 0909 Calibrated Conductivity = Measured Conductance ÷ 0.22 (measured conductance) (25°C - Actual Temp): 1113 umhos/cm at 25°C 0909 Dissolved Oxygen NA mg/L at NA °C NA Titration Results (Acid Concentration: <input type="checkbox"/> 0.16, <input type="checkbox"/> 1.6) pH 8.3 4.8 4.5 (7.0) #Clicks NA Color NA	Discharge (CFS) 81278 +6415 -30 Equipment Used 200mm LONG THROATED FLUME NA Staff Gauge Reading 51' 15" 52' @ 0931 Sampling Method GRAB Conductivity / TEMP 510 12°C 1100 15 / 21 15 / 0937 umhos/cm pH 8.40 TEMP 11.0 Dissolved O ₂ / TEMP / TIME NA	Measurement # NA Serial No. NA Sample Type STRM DRINK
Sample Location Description			

Sample Location Description

2-3 FT DOWNSTREAM OF GAGE, 5 FT UPSTREAM OF WEIR

WATER CLEAR, MEDIUM FLOW. SANDY BOTTOM WITH SOME ORGANIC DEBRIS ON BOTTOM.
WILLOWS GROWING TO WATER'S EDGE.

Appearance of Sample

CLEAR

Condition of Station

OK

Current Weather Condition

CLEAR, HOT, ~70°F

Previous Precipitation

W 15 DAYS AGO LAST RAIN RAINED APPROXIMATELY 2 DAYS

[illegible]

COMPREHENSIVE MONITORING PROJECT/ROCKY MOUNTAIN ARSENAL
SURFACE-WATER SAMPLING FIELD DATA SHEET

Page 1 of 1

Site ID Number <u>SW 24001</u>		Hydrogeologist(s) <u>L. Brumfield</u> <u>K. Hedberg</u>		Sample Numbers (range) <u>K 1997 - 2012</u> <u>K 2120 - 2145 (0)</u>		Date <u>8/13/8</u>	
Analytical Equipment pH Meter: <input checked="" type="checkbox"/> Beckman pH 21 <input type="checkbox"/> Omega pH-HSA <input type="checkbox"/> Orion SA250 <input type="checkbox"/> Other _____ Serial No. <u>0144748</u> Conductivity Meter: <input checked="" type="checkbox"/> YSI Model 33 <input type="checkbox"/> Other _____ Serial No. <u>H8016755</u> Dissolved Oxygen Meter: <input type="checkbox"/> YSI Model 51B Serial No. _____ Temperature Meter: <input checked="" type="checkbox"/> Beckman <input type="checkbox"/> Other _____ Serial No. <u>As above</u> Filtration Equipment: <input checked="" type="checkbox"/> Geotech Peristaltic Pump <input checked="" type="checkbox"/> Geotech 0.45 micron filter		Meter Calibration pH 7.00 = <u>6.99</u> at <u>30.7</u> °C <u>1108</u> pH 10.00 = <u>9.97</u> at <u>29.3</u> °C <u>1108</u> Conductance Standard: <u>1000</u> umhos/cm at 25°C Measured Value: <u>1000</u> umhos/cm at <u>32</u> °C <u>1109</u> Calibrated Conductivity = Measured Conductance + 0.22 (measured conductance) (25°C - Actual Temp): <u>860</u> umhos/cm at 25°C <u>1109</u> Dissolved Oxygen <u>NA</u> mg/L at _____ °C		Discharge <u>2.5 gpm</u> <u>At end of sampling</u> Equipment Used <u>MEASURING</u> <u>LABEL</u> Serial No. <u>NA</u>		Staff Gauge Reading <u>NA</u>	
		Titration Results (Acid Concentration) <input type="checkbox"/> 0.1N <input checked="" type="checkbox"/> 0.5N pH <u>8.3</u> <u>4.8</u> <u>4.5</u> (7.0) #Clicks <u>152</u> <u>153</u> <u>100</u> Color <u>light pink</u> <u>pink</u> <u>green</u>		Conductivity / TEMP / TIME <u>500 / 16°C / 1118</u> pH <u>8.1</u> TEMP <u>13.2</u> Dissolved O ₂ / TEMP / TIME <u>NA</u>		Sampling Method <u>GRAVE</u> Sample Type <u>STP</u>	
		Sample Location Description <u>SAMPLE TAKEN FROM FUL PIPE DISCHARGING AT</u> <u>SEWAGE TREATMENT PLANT. DISCHARGING PIPE EMPTYS INTO</u> <u>DITCH WHICH CONNECTS TO FIRST LAKE</u>		Appearance of Stream or Lake <u>DISCHARGING WATER IS CLEAR. RATE OF DISCHARGE</u> <u>CHANGES PERIODICALLY</u>			
		Appearance of Sample <u>CLEAR</u>		Condition of Station <u>6000 REEDS GROWING IN DITCH IN WHICH</u> <u>DISCHARGE IS OCCURRING</u>		Current Weather Condition <u>CLEAR, WARM ~ 70°F, LIGHT BREEZE</u> <u>FROM SE</u>	
Previous Precipitation <u>LIGHT TO HEAVY RAIN FEL WHEN BEFORE</u> <u>SAMPLE TAKEN. DID NOT RAIN YESTERDAY</u>		Analysis Requested TARGET GC/MS SEDIMENT DUPLICATE W/6C		Remarks: <u>pH continued to drop</u> <u>after taking sample</u> <u>Discharge fluctuated during</u> <u>sample - water level</u> <u>started. Discharge measurement</u> <u>taking after sampling.</u>			
Sampler Signature <u>[Signature]</u>							

COMPREHENSIVE MONITORING PROJECT/ROCKY MOUNTAIN ARSENAL
SURFACE-WATER SAMPLING FIELD DATA SHEET

Page 1 of 1

Site ID Number SW24001	Hydrogeologist(s) GPP, TG, SEG	Sample Numbers (range) L4271 - L4290	Date 89270 9/27/90	
Analytical Equipment pH Meter: <input checked="" type="checkbox"/> Beckman pH 21 <input type="checkbox"/> Omega pH46SA <input type="checkbox"/> Orion SA250 <input type="checkbox"/> Other 0157841 GPP Serial No. NA Conductivity Meter: <input checked="" type="checkbox"/> YSI Model 33 <input type="checkbox"/> Other 13076 Serial No. NA Dissolved Oxygen Meter: <input type="checkbox"/> YSI Model 51B Serial No. NA Temperature Meter: <input type="checkbox"/> Beckman <input type="checkbox"/> Other 0157841 GPP Serial No. NA Filtration Equipment: <input type="checkbox"/> Geotech Membrane Pump <input type="checkbox"/> Geotech 0.45 micron filter	Motor Calibration pH 7.00 = <u>6.98</u> at <u>31.6</u> °C <u>1321</u> pH 10.00 = <u>9.96</u> at <u>30.9</u> °C <u>1323</u> Conductance Standard: <u>1434</u> umhos/cm at <u>25.6</u> °C Measured Value: <u>1490</u> umhos/cm at <u>38</u> °C <u>1322</u> Calibrated Conductivity = Measured Conductance * (p22 (measured conductance) (25°C - Actual Temp)) / (p22 (measured conductance) (25°C - Actual Temp)) <u>1001</u> umhos/cm at 25°C <u>1322</u> Dissolved Oxygen <u>NA</u> mg/l at <u>NA</u> °C	Discharge (CFS) NA Equipment Used calibrated bucket Serial No. NA Sampling Method GRAB Sample Type SRM F16 Conductivity / TEMP 400 / 32.5 °C pH 7.51 Temp 32.5 °C Dissolved O ₂ / TEMP / TIME NA	Measurement # 14 Serial No. NA Sample Type SRM F16 Conductivity / TEMP 400 / 32.5 °C pH 7.51 Temp 32.5 °C Dissolved O ₂ / TEMP / TIME NA	
	Titration Results (Acid Concentration: <input type="checkbox"/> 0.16, <input type="checkbox"/> 1.5) pH <u>8.3</u> <u>4.8</u> <u>4.5</u> (7.0) #Clicks Color <u>NA</u>			
	Sample Location Description a lined ditch (plastic liner) sewage treatment plant discharge pipe. Pipe discharges into heavily vegetation in ditch channel			
	Appearance of Stream or Lake clear			
Appearance of Sample clear				
Condition of Station good				
Current Weather Condition partly cloudy, 85°F, WIND 1-3 S				
Previous Precipitation rain for 2 day, 16 days ago				

ANALYSIS REQUESTED	<input checked="" type="checkbox"/> TARGET <input checked="" type="checkbox"/> GC/MS <input checked="" type="checkbox"/> SEDIMENT		Remarks: DISCHARGE AREA TOO SMALL TO SAMPLE - ANALYTIC DISCHARGE NOT DETECTED SEG 89270 Sampler Signature: Drew Durlak
--------------------	---	--	---

COMPREHENSIVE MONITORING PROJECT/ROCKY MOUNTAIN ARSENAL
SURFACE-WATER SAMPLING FIELD DATA SHEET

Page 1 of 1

Site ID Number 2W24002		Hydrogeologist(s) S. G. OBERG L. BRUNNARD K. HEDBERG		Sample Numbers (range) K2021-K2041 SW RE-UNR K2042-K2044 SW GEMS K2045-K2046		Date 89111	
Analytical Equipment pH Meter: <input checked="" type="checkbox"/> Beckman phi 21 <input type="checkbox"/> Omega pH465A <input type="checkbox"/> Orion SA250 <input type="checkbox"/> Other _____ Serial No. 0145035 Conductivity Meter: <input checked="" type="checkbox"/> YSI Model 33 <input type="checkbox"/> Other _____ Serial No. 15596 Dissolved Oxygen Meter: <input checked="" type="checkbox"/> YSI Model 51B <input type="checkbox"/> Other _____ Serial No. _____ Temperature Meter: <input checked="" type="checkbox"/> Beckman 35 <input type="checkbox"/> Other 01450 57111 Serial No. 0145035 Filtration Equipment: <input type="checkbox"/> Geotech Parastatic Pump <input checked="" type="checkbox"/> Geotech 0.45 micron filter		Meter Calibration pH 7.00 = 7.02 at 19.7 °C 0922 Time pH 10.00 = 10.08 at 18.7 °C 0925 Time Conductance Standard: 1000 umhos/cm at 25°C Time Measured Value: 800 umhos/cm at 18 °C 0929 Time Calibrated Conductivity = Measured Conductance + (0.02 (measured conductance) (25°C - Actual Temp)): Time 912 umhos/cm at 25°C 0929 Time Dissolved Oxygen 7.8 mg/l at 20 °C 1035 Time		Temperature (°C) 31 Equipment Used PYRAM NA6349 Self Gauge Reading .47' Sampling Method GRAB Sample Type STREAM Conductivity / TEMP 570 / 17°C Dissolved O ₂ / TEMP / TIME 8.2 / 16 / 1035 mg/l			
Sample Location Description NOTCH 19 ft WATER SAMPLE TAKEN IN V NOTCH OF WEIR SEDIMENT SAMPLES TAKEN 2 FT UPSTREAM OF WEIR							
Appearance of Stream or Lake BANKS ARE STEEP AND COVERED WITH VEGETATION. BOTTOM OF STREAM IS SILENT AND SILTY WITH GRASSY VEGETATION UP AND DOWNSTREAM OF SAMPLE POINT.							
Appearance of Sample CLEAR							
Condition of Station GOOD							
Current Weather Condition SUNNY, HOT, BREEZY, 60°F-70°F							
Previous Precipitation SNOWED 12 DAYS AGO. THE LAST 3 DAYS HAVE BEEN VERY HOT TIMES							
Analysis Requested TARGET GC/MS SEDIMENT DUPE ON 9 SEP		Remarks SPUNDED STREAM YES V NOTCH OF WEIR WATER SAMPLES VERY CLOUDY IN COORS OR HAD BEEN Sampler STRA Shannon					

COMPREHENSIVE MONITORING PROJECT/ROCKY MOUNTAIN ARSENAL
SURFACE-WATER SAMPLING FIELD DATA SHEET

Page 1 of

Site ID Number <u>SW 24002 ST</u>	Hydrogeologist(s) <u>JK B.S.</u>	Sample Numbers (range) <u>K7447 - K7467</u>	Date <u>8/15/89</u>
Analytical Equipment pH Meter: <input checked="" type="checkbox"/> Beckman pH 21 <input type="checkbox"/> Omega pH-65A <input type="checkbox"/> Orion SA250 <input type="checkbox"/> Other _____ Serial No. <u>0141750</u> Conductivity Meter: <input checked="" type="checkbox"/> YSI Model 33 <input type="checkbox"/> Other _____ Serial No. <u>14051</u> Dissolved Oxygen Meter: <input type="checkbox"/> YSI Model 51B Serial No. _____ Temperature Meter: <input checked="" type="checkbox"/> Beckman <input type="checkbox"/> Other _____ Serial No. <u>0144750</u> Filtration Equipment: <input checked="" type="checkbox"/> Geotech Parastatic Pump <input checked="" type="checkbox"/> Geotech 0.45 micron filter	Meter Calibration pH 7.00 = <u>7.03</u> at <u>17.3</u> °C <u>14/14</u> Time pH 10.00 = <u>10.09</u> at <u>17.2</u> °C <u>14/14</u> Time Conductance Standard: <u>1000</u> umhos/cm at 25°C Time Measured Value: <u>850</u> umhos/cm at <u>17</u> °C <u>14/15</u> Time Calibrated Conductivity = Measured Conductance - (0.02 (measured conductance) (25°C - Actual Temp)); <u>986</u> umhos/cm at 25°C <u>14/14</u> Time Dissolved Oxygen <u>NA</u> mg/l at <u>NA</u> °C <u>NA</u> Time	Discharge (CFS) <u>JK 89150</u> <u>NA 3.35</u> Equipment Used <u>PVEM 4 E 625</u> Serial No. <u>NA 6349</u> Soil Gauge Reading <u>STEEL 0.93</u> <u>ENC 0.92</u> Sampling Method <u>GRAB</u> Sample Type <u>STEEL</u>	Conductivity / TEMP <u>750 umhos/cm @ 17°C</u> umhos/cm pH <u>8.27</u> Dissolved O ₂ / TEMP / TIME <u>11.6</u> <u>NA</u>

Sample Location Description

SAMPLED AT NOTCH IN WEIR. DIRECTLY A V-NOTCH

Appearance of Stream or Lake

FLOW IS HIGHER THAN NORMAL AND WATER HAS A SLIGHTLY BROWN MURKY APPEARANCE

Appearance of Sample

SAMPLE IS SLIGHTLY BROWN AND MURKY

Condition of Station

STATION IS IN GOOD CONDITION AND ALL EQUIPMENT IS OPERATIONAL.

Current Weather Condition

COOL, CLOUDY, LIGHT WIND. EIGH-SPRINKLES

Previous Precipitation

PRECIPITATION LAST NIGHT, SOUTH FIRST CREEK WITH RISE WATER
TAKES APPROXIMATELY 20 HRS TO REACH NORTH FIRST CREEK

[illegible]

SURFACE-WATER SAMPLING FIELD DATA SHEET

Page 1 of 1

[illegible]

COMPREHENSIVE MONITORING PROJECT/ROCKY MOUNTAIN ARSENAL
SURFACE-WATER SAMPLING FIELD DATA SHEET

Page 1 of 1

Site ID Number SW24004		Hydrogeologist(s) JK, LB, KH		Sample Numbers (range) K1976 - K1996		Date 89114																																					
Analytical Equipment pH Meter: <input checked="" type="checkbox"/> Beckman pH 21 <input type="checkbox"/> Omega pH465A <input type="checkbox"/> Orion SA250 <input type="checkbox"/> Other _____ Serial No. 0145035 Conductivity Meter: <input checked="" type="checkbox"/> YSI Model 33 <input type="checkbox"/> Other _____ Serial No. 15596 Dissolved Oxygen Meter: <input type="checkbox"/> YSI Model 51B Serial No. _____ Temperature Meter: <input checked="" type="checkbox"/> Beckman <input type="checkbox"/> Other _____ Serial No. 0145035 Filtration Equipment: <input checked="" type="checkbox"/> Geotech Peristaltic Pump <input checked="" type="checkbox"/> Geotech 0.45 micron filter		Meter Calibration pH 7.00 = <u>7.03</u> at <u>15.3</u> °C Time <u>0923</u> pH 10.00 = <u>10.12</u> at <u>15.0</u> °C Time <u>0924</u> Conductance Standard: <u>1000</u> umhos/cm at 25°C Time _____ Measured Value: <u>850</u> umhos/cm at <u>18.0</u> °C Time <u>0925</u> Calibrated Conductivity = Measured Conductance + (0.02 (measured conductance) (25°C - Actual Temp)); Time _____ <u>969</u> umhos/cm at 25°C Time <u>0927</u> Dissolved Oxygen <u>NA</u> mg/l at _____ °C		Discharge (CFS) .142 Equipment Used PORTABLE FLUME Serial No. N/A Staff Gauge Reading N/A Sampling Method GRAB Sample Type STR.																																							
		Titration Results (Acid Concentration: <input type="checkbox"/> 0.15, <input checked="" type="checkbox"/> 1.5) pH <u>8.3</u> <u>4.8</u> <u>4.5</u> (7.0) #Clicks <u>-</u> <u>1015</u> <u>1500</u> <u>-</u> Color <u>-</u> <u>PINK</u> <u>PINK</u> <u>-</u>		Conductivity / TEMP <u>875</u> / <u>13.3°</u> umhos/cm pH <u>5.90</u> TEMP <u>13.3</u> Dissolved O ₂ / TEMP / TIME <u>NA</u>																																							
		Sample Location Description 100 YARDS UPSTREAM OF ARSENAL BOUNDARY																																									
		Appearance of Stream or Lake LOW FLOW, FREE OF TUMBLEWEEDS, CLEAR																																									
		Appearance of Sample CLEAR																																									
Condition of Station GOOD																																											
Current Weather Condition MOSTLY CLOUDY, LIGHT WINDS (E-SEMPH), 6-8																																											
Previous Precipitation 0-TRACE AMOUNTS OVER WEEKEND																																											
ANALYSIS REQUESTED <table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td style="width:10%;">TARGET</td> <td style="width:10%;">GC/MS</td> <td style="width:10%;">SEDIMENT</td> <td style="width:10%;"></td> <td style="width:10%;"></td> <td style="width:10%;"></td> <td style="width:10%;"></td> <td style="width:10%;"></td> <td style="width:10%;"></td> <td style="width:10%;"></td> <td style="width:10%;"></td> <td style="width:10%;"></td> <td style="width:10%;"></td> <td style="width:10%;"></td> <td style="width:10%;"></td> <td style="width:10%;"></td> <td style="width:10%;"></td> <td style="width:10%;"></td> <td style="width:10%;"></td> <td style="width:10%;"></td> </tr> <tr> <td><input checked="" type="checkbox"/></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> </table>		TARGET	GC/MS	SEDIMENT																		<input checked="" type="checkbox"/>																				Remarks: PT TAPER MAY BE EFFECTIVE Sampler SPR John Volkmann	
TARGET	GC/MS	SEDIMENT																																									
<input checked="" type="checkbox"/>																																											

COMPREHENSIVE MONITORING PROJECT/ROCKY MOUNTAIN ARSENAL
SURFACE-WATER SAMPLING FIELD DATA SHEET

Page 1 of 1

Site ID Number SW 30002		Hydrogeologist(s) L. Brownland R. Hedberg		Sample Numbers (range) H 2141 - H 2171		Date 8/9/14	
Analytical Equipment <input checked="" type="checkbox"/> pH Meter: <input type="checkbox"/> Beckman phi 21 <input type="checkbox"/> Omega pH465A <input type="checkbox"/> Orion SA250 <input type="checkbox"/> Other _____ Serial No. 0145035 <input checked="" type="checkbox"/> Conductivity Meter: <input type="checkbox"/> YSI Model 33 <input type="checkbox"/> Other _____ Serial No. 15596 <input type="checkbox"/> Dissolved Oxygen Meter: <input type="checkbox"/> YSI Model 51B Serial No. _____ <input checked="" type="checkbox"/> Temperature Meter: <input type="checkbox"/> Beckman <input type="checkbox"/> Other 0145035 Serial No. _____ <input checked="" type="checkbox"/> Filtration Equipment: <input checked="" type="checkbox"/> Geotech Parastatic Pump <input checked="" type="checkbox"/> Geotech 0.45 micron filter		Meter Calibration pH 7.00 = 7.01 at 21.2 °C Time 1118 pH 10.00 = 10.05 at 21.3 °C Time 1118 Conductance Standard: 1000 umhos/cm at 25°C Time _____ Measured Value: 870 umhos/cm at 22 °C Time 1118 Calibrated Conductivity = Measured Conductance + (0.02 (measured conductance) (25°C - Actual Temp)); Time _____ 422.2 umhos/cm at 25°C Time 1119 Dissolved Oxygen NA mg/l at _____ °C		Discharge (CFS) 0.4640		Measurement # 	
		Equipment Used LONG THROATED FLUME		Serial No. OK 89114 NA410			
		Staff Gauge Reading NA					
		Sampling Method GRAB		Sample Type STRM			
		Titration Results (Acid Concentration: <input type="checkbox"/> 0.16, <input checked="" type="checkbox"/> 1.6) pH 8.3 4.8 4.5 (7.0) #Clicks missed 285 287 Color — light pink pink		Conductivity / TEMP 850 / 15°C umhos/cm			
		pH 8.86 TEMP 13.8 °C		Dissolved O ₂ / TEMP / TIME 		mg/liter	
Sample Location Description APPROX 10' UPSTREAM ON FIRST CREEK FROM CONFLUENCE WITH NORTH PLANTS DITCH							
Appearance of Stream or Lake CLEAR FLOW, SANDY BOTTOM, SOME GRASSY AND RIBBY VEGETATION							
Appearance of Sample CLEAR							
Condition of Station GOOD							
Current Weather Condition WARM ~ 70°F, PARTLY CLOUDY INTERMITTENT BREEZE FROM E-SE							
Previous Precipitation SUBSTANTIAL SNOWFALL ~ 2 WEEKS PREVIOUS, SINCE THEN DRY AND WARM. MINOR TRACES PRECIP IN LAST WEEK							
ANALYSIS REQUESTED TARGET GC/MS SEDIMENT		Remarks: pH dropped quickly after taking sample from stream. 8.3 point could not be titrated					
		Sampler Signature: L. Brownland					

COMPREHENSIVE MONITORING PROJECT/ROCKY MOUNTAIN ARSENAL
SURFACE-WATER SAMPLING FIELD DATA SHEET

Page 1 of 1

Site ID Number: SW30001		Hydrogeologist(s): LB, KH, JK		Sample Numbers (range): K2172 - K2202		Date: 8/9/14																					
Analytical Equipment pH Meter: <input checked="" type="checkbox"/> Beckman phi 21 <input type="checkbox"/> Omega pH46SA <input type="checkbox"/> Orion SA250 <input type="checkbox"/> Other _____ Serial No. 0145035 Conductivity Meter: <input checked="" type="checkbox"/> YSI Model 33 <input type="checkbox"/> Other _____ Serial No. 15596 Dissolved Oxygen Meter: <input type="checkbox"/> YSI Model 51B Serial No. _____ Temperature Meter: <input checked="" type="checkbox"/> Beckman <input type="checkbox"/> Other _____ Serial No. 0145035 Filtration Equipment: <input checked="" type="checkbox"/> Geotech Parastatic Pump <input checked="" type="checkbox"/> Geotech 0.45 micron filter		Meter Calibration pH 7.00 = 6.99 at 28.5 °C Time 1448 pH 10.00 = 10.00 at 26.0 °C Time 1449 Conductance Standard: 1000 umhos/cm at 25°C Measured Value: 975 umhos/cm at 26 °C Time 1450 Calibrated Conductivity = Measured Conductance + (0.02 (measured conductance) (25°C - Actual Temp)): Time 956 umhos/cm at 25°C 1452 Dissolved Oxygen _____ mg/l at _____ °C		Discharge (CFS) NA FLOW TOO LOW FOR PUMP OR FLUME Measurement # _____		Equipment Used NA Serial No. NA																					
		Staff Gauge Reading NONE INSTALLED		Sampling Method GRAB		Sample Type STRM																					
		Titration Results (Acid Concentration: <input type="checkbox"/> 0.16, <input checked="" type="checkbox"/> 1.6) pH 8.3 4.8 4.5 (7.0) <table border="1" style="width:100%; border-collapse: collapse; font-size: x-small;"> <tr> <td>#Clicks</td> <td>4</td> <td>259</td> <td>864</td> <td>61</td> </tr> <tr> <td>Color</td> <td>GRN</td> <td>CLEAR - LT PINK</td> <td>PINK</td> <td>GREEN</td> </tr> </table>		#Clicks	4	259	864	61	Color	GRN	CLEAR - LT PINK	PINK	GREEN	Conductivity / TEMP 900 / 26° umhos/cm		pH 8.68 TEMP 22.9 Dissolved O₂ / TEMP / TIME NA mg/l											
		#Clicks	4	259	864	61																					
Color	GRN	CLEAR - LT PINK	PINK	GREEN																							
Sample Location Description LOCATION IS APPROXIMATELY 70 YARDS UPSTREAM OF JUNCTION W/FIRST CREEK FLOW DOESNT EXTEND TO FIRST CREEK, AREA THICK W/VEGETATION ON STREAM BOTTOM																											
Appearance of Stream or Lake VERY LOW FLOW, VEGETATION ON BOTTOM OF STREAM																											
Appearance of Sample CLOUDY W/ PARTICULATE MATTER																											
Condition of Station NO STATION																											
Current Weather Condition WARM, SUNNY, LIGHT WIND TEMP ~ 75° WINDS 5-10 MPH																											
Previous Precipitation 0 - TRACE IN 2 WEEKS																											
ANALYSIS REQUESTED <table border="1" style="width:100%; border-collapse: collapse; font-size: x-small;"> <tr> <td style="width:10%;">TARGET</td> <td style="width:10%;">GC/MS</td> <td style="width:10%;">SEDIMENT</td> <td style="width:10%;"></td> <td style="width:10%;"></td> <td style="width:10%;"></td> <td style="width:10%;"></td> <td style="width:10%;"></td> <td style="width:10%;"></td> <td style="width:10%;"></td> </tr> <tr> <td style="text-align: center;">X</td> <td style="text-align: center;">X</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> </table>					TARGET	GC/MS	SEDIMENT								X	X									Remarks: HAD TO SAMPLE ~ 70 YDS UPSTREAM OF STAKE DUE TO NO FLOW @ STAKE Sampler Signature: 		
TARGET	GC/MS	SEDIMENT																									
X	X																										

SURFACE-WATER SAMPLING FIELD DATA SHEET

Page 1 of 1

Site ID Number SW31002		Hydrogeologist(s) Kim Hedberg		Sample Numbers (range) K2204-K2234		Date 8/25/89																																									
Analytical Equipment <input checked="" type="checkbox"/> pH Meter: <input checked="" type="checkbox"/> Beckman pH 21 <input type="checkbox"/> Omega pH465A <input type="checkbox"/> Orion SA250 <input type="checkbox"/> Other _____ Serial No. 0145035 Conductivity Meter: <input checked="" type="checkbox"/> YSI Model 33 <input type="checkbox"/> Other _____ Serial No. 15596 Dissolved Oxygen Meter: <input type="checkbox"/> YSI Model 51B Serial No. _____ Temperature Meter: <input checked="" type="checkbox"/> Beckman <input type="checkbox"/> Other _____ Serial No. 0145035 Filtration Equipment: <input checked="" type="checkbox"/> Geotech Parastatic Pump <input checked="" type="checkbox"/> Geotech 0.45 micron filter		Meter Calibration pH 7.00 = 7.03 at 15.6 °C Time 0827 pH 10.00 = 10.12 at 15.3 °C Time 0828 Conductance Standard: 1000 umhos/cm at 25°C Time _____ Measured Value: 750 umhos/cm at 15.5 °C Time 0829 Calibrated Conductivity = Measured Conductance + (0.02 (measured conductance) (25°C - Actual Temp)): Time _____ 892.5 umhos/cm at 25°C Time 0829 Dissolved Oxygen NA mg/l at NA °C		Discharge (CFS) NA Equipment Used NA Staff Gauge Reading NA Sampling Method GRAB Sample Type STRM Conductivity/TEMP 750 15°C umhos/cm		Measurement # NA Serial No. NA																																									
		Titration Results (Acid Concentration: <input type="checkbox"/> 0.16, <input checked="" type="checkbox"/> 1.6) pH 8.3 4.8 4.5 (7.0)		pH 8.18 TEMP 14.7 Dissolved O ₂ /TEMP/TIME NA																																											
		#Clicks NA 296 300 90		mg/liter																																											
		Color NA PINK PINK GREEN																																													
		Sample Location Description JUST UPSTREAM OF PONDED AREA IN REEDS																																													
Appearance of Stream or Lake LOW FLOW IN STREAM LEADING TO POND																																															
Appearance of Sample SLIGHTLY CLOUDY ; MUCH ORGANIC MATERIAL IN SEDIMENTS																																															
Condition of Station GOOD																																															
Current Weather Condition PARTLY CLOUDY ; 60°F ; LIGHT BREEZE																																															
Previous Precipitation 0-TRACE 3 DAYS AGO																																															
ANALYSIS REQUESTED <table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td style="width:5%;">TARGET</td> <td style="width:5%;">GC/MS</td> <td style="width:5%;">SEDIMENT</td> <td style="width:5%;"></td> <td style="width:5%;"></td> <td style="width:5%;"></td> <td style="width:5%;"></td> <td style="width:5%;"></td> <td style="width:5%;"></td> <td style="width:5%;"></td> <td style="width:5%;"></td> <td style="width:5%;"></td> <td style="width:5%;"></td> <td style="width:5%;"></td> <td style="width:5%;"></td> <td style="width:5%;"></td> <td style="width:5%;"></td> <td style="width:5%;"></td> <td style="width:5%;"></td> <td style="width:5%;"></td> </tr> <tr> <td style="text-align: center;">X</td> <td style="text-align: center;">X</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> </table>						TARGET	GC/MS	SEDIMENT																		X	X																			Remarks: Sampler Signature: Kim E Hedberg	
TARGET	GC/MS	SEDIMENT																																													
X	X																																														

COMPREHENSIVE MONITORING PROJECT/ROCKY MOUNTAIN ARSENAL
SURFACE-WATER SAMPLING FIELD DATA SHEET

Page 1 of 1


Site ID Number SW36001		Hydrogeologist(s) KHEDBERG, J KOEHNEN		Sample Numbers (range) K2530 - K2563		Date 89118 4/28/89																																								
Analytical Equipment pH Meter: <input checked="" type="checkbox"/> Beckman pH 21 <input type="checkbox"/> Omega pH+6SA <input type="checkbox"/> Orion SA250 <input type="checkbox"/> Other _____ Serial No. 0145035 Conductivity Meter: <input checked="" type="checkbox"/> YSI Model 33 <input type="checkbox"/> Other _____ Serial No. 15596 Dissolved Oxygen Meter: <input type="checkbox"/> YSI Model 51B Serial No. _____ Temperature Meter: <input checked="" type="checkbox"/> Beckman <input type="checkbox"/> Other _____ Serial No. 6145035 Filtration Equipment: <input checked="" type="checkbox"/> Geotech Parastatic Pump <input checked="" type="checkbox"/> Geotech 0.45 micron filter		Meter Calibration pH 7.00 = 7.10 at 2.4 °C Time 0859 pH 10.00 = 10.29 at 2.3 °C Time 0900 Conductance Standard: 1000 umhos/cm at 25°C Time _____ Measured Value: 700 umhos/cm at 10 °C Time 0918 Calibrated Conductivity = Measured Conductance + (0.02 (measured conductance) (25°C - Actual Temp)): Time _____ 1010 umhos/cm at 25°C Time 0918 Dissolved Oxygen NA mg/l at NA °C NA		Discharge (CFS) NA Measurement # NA Equipment Used NA Serial No. NA Staff Gauge Reading 0.07 Sampling Method GRAB Sample Type STRM Conductivity/TEMP 740 umhos/cm 80C pH TEMP Dissolved O ₂ /TEMP/TIME 7.19 7.6C NA																																										
		Titrations Results (Acid Concentration: <input type="checkbox"/> 0.16, <input checked="" type="checkbox"/> 1.6) pH 8.3 4.8 4.5 (7.0) #Clicks NA 363 370 64 Color NA PINK PINK GREEN		mg/liter																																										
		Sample Location Description (APPROX 10FT DOWNSTREAM FROM PONDED AREA) 60-70 FEET UPSTREAM FROM CONTROL STRUCTURE																																												
		Appearance of Stream or Lake LOW UNIFORM FLOW																																												
Appearance of Sample CLEAR TO SLIGHTLY CLOUDY - LT BROWNISH																																														
Condition of Station GOOD - STRIP CHART OPERATIONAL																																														
Current Weather Condition COLD 40°F-35°F CLOUDY, NO WIND																																														
Previous Precipitation 0-1/4" rain and hail yesterday																																														
<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td rowspan="2" style="writing-mode: vertical-rl; transform: rotate(180deg);">ANALYSIS REQUESTED</td> <td>TARGET</td> <td>GC/MS</td> <td>SEDIMENT</td> <td>SED GC/MS</td> <td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td> </tr> <tr> <td>X</td> <td>X</td> <td>X</td> <td>X</td> <td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td> </tr> </table>				ANALYSIS REQUESTED	TARGET	GC/MS	SEDIMENT	SED GC/MS																X	X	X	X																Remarks: NO DISCHARGE BECAUSE LARGE PONDED AREA WOULD CAUSE TOO MUCH BACK UP Sampler Signature: <i>[Signature]</i>			
ANALYSIS REQUESTED	TARGET	GC/MS	SEDIMENT		SED GC/MS																																									
	X	X	X	X																																										

Page 1 of 1

FOPM130

COMPREHENSIVE MONITORING PROJECT/ROCKY MOUNTAIN ARSENAL
SURFACE-WATER SAMPLING FIELD DATA SHEET

Page 1 of 1

Site ID Number 37001	Hydrogeologist(s) L.B. S.G. K.H., J.K.	Sample Numbers (range) K1908 - K1941	Date 89110
Analytical Equipment pH Meter: <input checked="" type="checkbox"/> Beckman pH 21 <input type="checkbox"/> Omega pH465A <input type="checkbox"/> Orion SA250 <input type="checkbox"/> Other _____ Serial No. 0145035 Conductivity Meter: <input checked="" type="checkbox"/> YSI Model 33 <input type="checkbox"/> Other _____ Serial No. 15596 Dissolved Oxygen Meter: <input type="checkbox"/> YSI Model 51B Serial No. _____ Temperature Meter: <input type="checkbox"/> Beckman <input type="checkbox"/> Other _____ Serial No. 0145035 Filtration Equipment: <input checked="" type="checkbox"/> Geotech Parastatic Pump <input checked="" type="checkbox"/> Geotech 0.45 micron filter	Meter Calibration pH 7.00 = 6.97 at 28.8 °C 1549 Time pH 10.00 = 9.98 at 28.8 °C 1549 Time Conductance Standard: 1000 umhos/cm at 25°C Time Measured Value: 1050 umhos/cm at 30 °C 1551 Time Calibrated Conductivity = Measured Conductance + (0.02 (measured conductance) (25°C - Actual Temp)): Time 445 umhos/cm at 25°C 1552 Time Dissolved Oxygen NA mg/l at _____ °C _____ Time		Discharge (CFS) 0.31
	Equipment Used PV6MV #625		Serial No. NN6349
	Staff Gauge Reading 0.52		Sampling Method GRAB
	Conductivity / TEMP 1600 / 25°C umhos/cm		Sample Type STRM
Titration Results (Acid Concentration: <input type="checkbox"/> 0.16, <input checked="" type="checkbox"/> 1.6) pH 8.3 4.8 4.5 (7.0)		pH 8.72 TEMP 24.0 Dissolved O₂ / TEMP / TIME NA	
Sample Location Description ~ 5 ft upstream of control structure Water surface rough due to rocky bottom		Appearance of Stream or Lake Smooth uniform flow except at control where surface becomes rough	
Appearance of Sample clear to slightly cloudy, no suspended sediments		Condition of Station Flume not functioning properly, water flowing under flume	
Current Weather Condition Warm - but cooling, slightly cloudy, slight wind			
Previous Precipitation ~ 2 WEEKS PRIOR			
ANALYSIS REQUESTED TARGET <input checked="" type="checkbox"/> GC/MS SEDIMENT <input checked="" type="checkbox"/> SEDIMENT G/MS		Remarks: Sampler Signature: 	

APPENDIX B-7

Laboratory Analytical Procedures

APPENDIX B-7.1

Procedure for Water Analysis

- Determination of purgeable aromatic compounds in water by purge and trap gas chromatography is by Method #AV8 from DataChem.

A 5 millimeter (ml) water sample is purged, trapped and desorbed with Tekmar Automatic Liquid Sampler (ALS), then analyzed by SP 1000 Carbopak B packed column on a gas chromatography with a 10.0 eV photoionization detector. Sensitivities range from .5 to 1.5 part per billion (ppb) and are quantitative.

- Determination of volatile halocarbon compounds in water samples by purge and trap gas chromatography using a Hall detector by Method #N8 from DataChem.

A 5 ml water sample is purged, trapped and desorbed with a Tekmar ALS on to a 8 ft packed glass column with 1 percent SP 1000 Carbopak B and analyzed by a gas chromatograph equipped with a Hall (electrolyte conductivity detector). Sensitivities range from .5 to 7.5 ppb depending on the analyte.

- Determination of 1,2-dibromo 3-chloropropane in water samples by Method #AY8 from DataChem.

A 30 ml sample is extracted with 3 ml hexane, shaken for four minutes, and pipetted into an amber vial containing anhydrous sodium sulfate (Na_2SO_4). Then 2 microliters (μl) of extract is injected into a gas chromatograph equipped with a fused silica DB5 capillary column and electron capture detector. Sensitivity is near 2 ppb.

- Determination of organosulfur compounds in water samples by gas chromatography by Method #AAA8 from DataChem.

An 800 ml sample is extracted with three 50 ml portions of methylene chloride. The portions are combined through anhydrous sodium sulfate. The extract is condensed to 2 ml final volume. An aliquot is injected into a gas chromatograph equipped with a fused silica DB-1 capillary column and flame photometric detector with sulfur filter. Sensitivities are from .55 to 11.5 ppb.

- Determination of organochlorine pesticides in water samples by Method #KK8 from DataChem.

An 800 ml aliquot sample is extracted with three 50 ml portions of methylene chloride. The portions are combined through anhydrous sodium sulfate. The extract is condensed to 1 ml,

then 50 ml hexane is added to solvent exchange, which is condensed down to 2 ml. The volume is adjusted to 50 ml, and then 3 μ l is injected into a gas chromatograph equipped with a DB 17 fused-silica capillary column and an electron capture detector. Sensitivities are from .048 to .095 ppb.

- Determination of bicycloheptadiene, and methylisobutyl ketone in water samples by Method #P8 from DataChem.

A 100 ml aliquot of sample is extracted with 5 ml methylene chloride. The extract is drained through anhydrous Na_2SO_4 into a 5 ml volumetric, 1 μ l of extract is injected onto a gas chromatograph equipped with a DB-5 fused silica capillary column and a flame ionization detector. Sensitivities are from 4.90 to 5.90 ppb.

- Determination of the anions, bromine, chloride, fluoride, and sulfate by ion chromatography in water samples by Method #HH8A from DataChem.

One ml of effluent is added to 100 ml of sample and filtered. A 2 ml aliquot of filtrate is added to a sample vial for analysis by a Dionex ion chromatograph equipped with a Waters 710 B autosampler and a conductivity detector. Sensitivity ranges from 150 to 400 ppb.

- Determination of nitrate in water samples by Method #LL8 from DataChem.

The sample is neutralized to pH between 5 and 9 and is analyzed by a Technicon Auto Analyzer (AA) can with a nitrate and cartridge and 520 nanometer (NM) colimetric filter. Sensitivity is approximately 10 ppb.

- Determination of arsenic in water samples by graphite-furnace atomic spectrometry (GF-AA) by Method AX8 from DataChem.

A 100 ml sample is digested, filtered and brought to a 100 ml total volume with American Society for Testing and Materials (ASTM) Type 1 water. A small portion, 1 to 50 μ l, is mixed with a modifier solution and analyzed using a Perkin-Elmer atomic absorption spectrophotometer equipped with a graphite furnace. Sensitivity for the method is in the 2.35 ppb range.

- Determination of mercury in water samples by cold vapor atomic absorptions spectrometry by Method #CC8 from DataChem.

A 100 ml aliquot of sample is added to a 300 ml Biological Oxygen Demand (BOD) bottle and digested. The sample is aerated and analyzed by a Perkin-Elmer 305A atomic absorption spectrophotometer equipped with a quartz window cell, peristaltic pump, bubbler, and strip chart recorder. Sensitivity for the method is in the low ppb (1.0 range).

- Determination of metals in water samples by inductivity coupled argon plasma spectroscopy (ICP) by Method SS12 from DataChem.

A 50 ml portion of the sample is heated in the presence of nitric and hydrochloric acids. The volume is reduced to between 10 and 20 ml. The sample is collected and diluted to 50 ml with ASTM Type 1 water. The resulting digest is analyzed using a Thermo Jarrell Ash ICAP 61 equipped with an IBM Personal Computer - AT and Thermo spec software.

- Determination of volatile organics in water samples by gas chromatography/mass spectrometry (GC/MS) by Method UM21 from DataChem.

A 5 ml portion of the sample is spiked with internal standard and surrogates and then transferred to the purging device. The sample is purged with helium and the analytes are trapped on a 3-phase sorbent tube. The analytes are desorbed at 180° C into a Finnigan 5100 Gas Chromatograph/Mass Spectrometer with electron impact ionization source and quadrapole detector.

- Determination of semi-volatiles in water samples by GC/MS by Method UM25 from DataChem.

A 1000 ml of the sample is extracted with methylene chloride and then concentrated to 1 ml. The resulting is analyzed using a Finnigan 5100 B Gas Chromatograph/Mass Spectrometer with an electron impact ionization source and a quadrapole detector. The extract is passed through anhydrous sodium sulfate and condensed to a 1 ml final volume. A 2 µl aliquot is injected on a wide bore DB5 fused silica column and analyzed by GC/MS equipped with electron impact source and electron multiplier detector. Sensitivities range from 1 to 200 ppb depending on the analyte.

- Determination of total cyanide in water samples by a colorimetric auto analyzer by Method #TF20 from DataChem. A 250 ml portion of sample is treated with acid, distilled, and collected into a sodium hydroxide solution. The distillate is analyzed by a Technicon Auto Analyzer II equipped with a colorimeter detector fitted with a 570 nm filter. Sensitivity is near 5 ppb.
- Determination of nitrogen/phosphorus pesticides in water by GC by Method #UH11 by

Datachem. An 800 ml portion of sample is serially extracted with methylene chloride. The extract is funneled through anhydrous sodium sulfate and condensed to 50 ml. A 50 ml portion of hexane is added to solvent exchange and condensed to a final volume of 5 ml. An aliquot of extract is injected on to a DB5 fused silica capillary column and analyzed by GC equipped with an electron capture detector. Sensitivities range from .500 ppb to 4 ppb depending on the analyte.

APPENDIX B-7.2

Procedures for Sediment Analysis

- Determination of purgeable aromatic compounds in soil samples by Purge and Trap Gas Chromatography (GC) using a photoionization detector by Method AA9 from DataChem.

Weight 10 grams (g) of soil sample into a 40 ml Volatile Organic Analysis (VOA) bottle, add 10 ml of High Pressure Liquid Chromatography (HPLC) grade (or better) methanol. Cap tightly with a teflon-lined septa and shake for four hours using a wrist action shaker. Allow to settle. Remove a 100 μ l portion of the methanol extract and transfer to a syringe containing 5 ml organic free water. Analyze sample by a Tekmar Automatic Liquid Sampler (ALS) purger and trap device compound with a gas chromatograph equipped with a 1 percent SP1000 Carbopak column and photoionization detector. The system is then interfaced with a laboratory automation system. Sensitivities range from 0.09 to 0.39 μ g/g depending on the compound.

- Determination of purgeable organohalogen compounds in soil samples by purge and trap GC using a Hall Detector by Method NN9 from DataChem.

Transfer 10 g of soil sample to a 40 ml VOA bottle, add 10 ml HPLC grade (or better) methanol, cap tightly and shake for four hours on a wrist action shaker. Allow to settle. Remove 100 μ g of the methanol extract to a syringe containing 5 ml of organic free water. Analyze by a purge trap Tekmar automatic liquid sample compiled with a gas chromatograph with a 1 percent SP1000 Carbopak B column and a Hall electrolytic conductivity detector. The entire system is interfaced to a Laboratory Automation System Sensitivities range from 0.068 to 3.7 μ g/g depending on the target analyte.

- Determination of dibromochloropropane (DBCP) in soil samples by GC/EC by Method S9 from DataChem.

A 10 g portion of the soil sample is transferred to a 40 ml amber glass VOA vial equipped with a teflon-lined screw cap. Then 20 ml of 1:1 acetone/hexane mixture is added and shaken for four hours on a wrist action shaker. This is allowed to settle and 10 ml of the extract is removed and added to a 125 ml separatory funnel containing 50 ml hexane extracted water. This is shaken for 15 seconds until all phases separate. Then the hexane extract is drained into a 10 ml volumetric flask and brought to volume. A portion of the extract is injected onto a 30 meter DB05 fused silica capillary column and analyzed by a gas chromatograph equipped with an ^{63}Ni electron capture detector and integrated with a laboratory automation system. Sensitivity for this method is approximately 0.005 μ g/g.

- Determination of organosulfur compounds in soil samples by Method HH9A from DataChem.

Transfer a 10 g soil portion to 1 60 ml amber vial and mix with 10 g of anhydrous sodium sulfate. Add 20 ml methylene chloride and cap tightly. Shake for four hours on a wrist action shaker. Allow to settle and transfer 1-2 ml of extract to autosampler vial. A 5 μ l volume of extract is injected onto a DB-1 fused silica capillary column and analyzed by a gas chromatograph equipped with a flame photometric detector operated with a sulfur filter. Sensitivities range from 1.45 μ g/g to 9.01 μ g/g depending on the compound.

- Determination of organochlorine pesticides in soil samples by Method KK9B from DataChem.

Transfer a 20 g portion of soil sample to a 40 ml screw-cap septum vial. Add 20 ml of 1:1 acetone/hexane solvent mixture, cap, and shake for four hours on a wrist action shaker. Allow to settle. Remove 10 ml of extract and place into a 125 ml separatory funnel containing 50 ml hexane-extracted water. Extract is analyzed on a 30 meter DB-17 fused silica capillary column with a gas chromatograph equipped with an electron capture detector and a laboratory data system. Sensitivities range from 0.0018 μ g/g to 0.23 μ g/g depending on the compound.

- Determination of bicycloheptadiene, dicyclopentadiene, and methylisobutyl ketone (hydrocarbons) in soil samples by Method PP9 DataChem.

Transfer 10 g of the soil sample to a 50 ml culture tube and mix with anhydrous sodium sulfate. Add 20 ml of methylene chloride and cap tightly. Shake for four hours on a wrist action shaker. Allow to settle. Transfer 1-2 ml of extract to an autosampler vial. A 10 μ l volume of the extract is injected onto a 30 meter DB-5 fused silica capillary column and analyzed by a gas chromatograph with a flame ionization detector and interfaced to an integrator. Sensitivities from approximately 0.45 to 1.06 μ g/g depending on the target analyte.

- Determination of Arsenic in samples by Graphite Furnace Atomic Absorption Spectroscopy (GF-AA) by Method B9 from DataChem.

Weigh 0.995 - 1.005 g of the soil sample in a 125 ml beaker. Add 10 ml 1:1 nitric acid, cover with a watch glass, and heat to 95° C for 10 minutes without boiling. Cool and add 5 ml concentrated nitric acid and reflux for 30 minutes. Add 2 ml Type II water and 3 ml of 30 percent hydrogen peroxide and heat. Then add hydrogen peroxide until sample is unchanged. Reduce to 2 ml and add 10 ml Type II water and warm, then cool. Filter and dilute to 100 ml. The digestate is analyzed by injecting 15 μ l with 15 μ l modifier onto an Atomic Absorption Spectrophotometer equipped with a graphite furnace/autosampler accessory. Sensitivity is near 2.5 μ g/g.

- Determination of mercury in soil samples by Cold Vapor Absorption Spectroscopy (CVAA) by Method Y9 from DataChem.

Weight a 1.0–1.5 g portion of the soil sample into a 250 ml Phillips beaker. Add 25 ml aqua regia and heat 5 minutes on steam bath. Cool and add 50 ml distilled water and 20 ml potassium permanganate solution. The color should remain purple. repeat addition of potassium permanganate solution. Add 50 ml to a BOD bottle, add 50 ml distilled water. Add 5 ml 20 percent hydroxylamine hydrochloride solution. Add 5 ml stannous chloride, insert bubbler, and analyze by atomic absorption spectrometer equipped with Hg EDL lamp, cold vapor accessory and strip chart recorder. Sensitivity is approximately 0.0543 $\mu\text{g/g}$.

- Determination of metals in soil samples by Inductively Coupled Argon Plasma Spectroscopy by Method P9 from DataChem.

Weight 1.0 to 1.5 g of soil sample into a 125 ml Phillips beaker. Digest sample with 3.0 ml concentrated nitric acid to near dryness. Cool. Repeat until digestion is complete. Add 2.0 ml 1:1 HNO_3 and 2.0 ml 1:1 HCl and heat for four minutes. Wash sides of beaker and filter through Whatman filter paper. Dilute sample to final volume of 50.0 ml with deionized water. A portion of the digestate is analyzed using sequential inductively coupled argon plasma emission spectrometer equipped with software for background correction and inter-element correction. Sensitivities range from approximately 0.7 to 8.7 $\mu\text{g/g}$ depending on the target analyte.

- Determination of volatile organics in soil samples by gas chromatography/mass spectrometry Method LM23 from DataChem.

A 10 g portion of the sample is extracted with 9 ml of methanol and 1 ml of the surrogate solution. A 50 μl of water containing the internal standard and then transferred to the purging device. The sample is purged with helium, and the analytes are trapped on a 3-phase sorbent tube. The analytes are desorbed at 180° C into a Finnigan Gas Chromatograph/Mass Spectrometer with an electron impact ionization source and a quadrapole detector.

- Determination of semivolatile organics in soil samples by gas chromatography/mass spectrometry by Method L9 from DataChem.

A 15 g portion of sample is mixed with 30 grams of anhydrous sodium sulfate, 300 ml of methylene chloride and 12 ml of surrogate spike solution are placed into a soxhlet extractor and extracted. The extract is then concentrated and analyzed by a Finnigan Model 5100 gas chromatograph-mass spectrometer equipped with a fused silica capillary column.

- Determination of semivolatile organics in soil samples by chromatography/mass spectrometry by Method SV-9 from Hunter/ESE, Inc. Denver.

An extraction is performed on a 30 g soil sample into a 1:1 solution of methylene chloride/acetone. Extraction solvent is decanted from soil, dried with Na_2SO_4 and concentrated to 1 milliliter. Extract is loaded onto a gel permeation chromatographic column for cleanup. a 2 μl aliquot of the cleaned extract is injected onto the gas chromatograph/mass spectrometer (Hewlett Packard 5995C) equipped with electron impact ionization source and quadrupole detector. GC column is a DB-5 fused-silica capillary column. CRLs range from 0.266-1.857 $\mu\text{g/g}$. Upper Certified Ranges are 6.00-10.700 $\mu\text{g/g}$.

- Determination of 1,2-dibromo-3-chloropropane (DBCP) in soil samples by gas chromatography by Method QQ-9 from Hunter/ESE, Inc. Denver.

A 10 g soil sample is extracted into 20 ml of a 1:0 acetone/hexane solvent mixture. The extract is decanted, mixed with Na_2SO_4 to remove water and brought to volume in a 10 ml volumetric flask. A 1 μl aliquot is injected into a gas chromatograph (HP 5890) using a 30 meter DB-5 fused-silica capillary column equipped with an electron capture detector. The CRL is 0.005 $\mu\text{g/g}$ with an upper tested concentration of 0.098 $\mu\text{g/g}$.

- Determination of dicyclopentadiene (DCPD) and methylisobutyl ketone (MIBK) in soil samples by gas chromatography by Method ZZ9 from Hunter/ESE, Inc. Gainesville.

In a culture tube, a measured weight of sample is mixed with an equal weight of anhydrous sodium sulfate and then extracted on a mechanical shaker with methylene chloride. The supernatant extract is collected, and an aliquot of the extract is injected into a Gas Chromatograph which is equipped with a packed column. Chromatograph conditions were developed to allow the separation of the target analytes for the analysis. Qualitative identification is performed by comparing the absolute retention times of the standards peaks with the sample chromatogram peaks. Quantitative analysis is performed by calibrating the instrument with external standards, and comparing the resultant calibration curve with the sample analyte responses.

- Determination of phosphonates in soil by Method TT-9 from Hunter/ESE, Inc. Gainesville.

In an amber glass vial, a measured weight of sample is extracted with distilled water. This extract is then analyzed via Gas Chromatography using packed GC column Chromatographic conditions were developed that resolve the two analytes in the Rocky Mountain Arsenal

"standard" soil to allow quantitation. Qualitative identification is performed by comparing the absolute retention times with the retention times of peaks in the sample chromatograms. Quantitative analysis is performed by calibrating the instrument with external standards, and comparing the resultant calibration curve with the sample responses.

- Determination of organosulfur compounds in soil samples by Method LL03 from Hunter/ESE, Inc. Gainesville.

Ten grams of soil are dried with an equal amount of anhydrous sodium sulfate and then extracted with methylene chloride for four hours on a wrist action shaker. The supernatant extract is collected, and an aliquot of the extract is injected into a Gas Chromatograph which is equipped with a packed column and a flame photometric detector set in the sulfur detection mode. Chromatographic conditions were developed to allow the separation of the target analytes for the analysis. Qualitative identification is performed by comparing the absolute retention times of the standards peaks with the sample chromatogram peaks. Quantitative analysis is performed by calibrating the instrument with external standards, and comparing the resultant calibration curve with the sample analyte responses.

- Determination of Arsenic in soil samples by Method AS-9 from Hunter/ESE, Inc. Gainesville.

A measured weight of soil/sediment is digested with an oxidizing-acid solution on a hot plate for a fixed period of time. The digestate is cooled and filtered through a glass fiber filter and diluted to a fixed volume of 100 ml. Analysis of the digestate is performed using a Graphite Furnace Atomic Absorption Spectrophotometer (GFAA) the has been calibrated for arsenic. Quantitative analysis is performed by calibrating the instrument with external standards, and comparing the resultant curve with the sample analyte responses.

- Determination of mercury in soil samples by Method HG-9 from Hunter.ESE, Inc. Gainesville.

A measured weight of soil/sediment is digested with an aqua regia acid solution (HCl/HNO_3), followed by further oxidation with potassium permanganate. This digestate is then placed in a cold vapor purge apparatus that is connected to an Atomic Absorption Spectrophotometer (AA). Stannous chloride is added to the digestate to convert all the mercury in the sample to its metallic state. The sample is purged with air, and the vapor is swept through a cell mounted in the light path of the AA instrument. The absorbance of the mercury vapor is measured and compared against a calibration curve of known calibration standards.

APPENDIX B-7.3

Procedure for Suspended Solids Analysis

Total suspended solids were determined by EPA Method 160 for non-filterable residue. Non-filterable residue is defined as those solids which are retained by a glass filter and dried to constant weight at 103-105° C. After drying to constant weight, non-filterable residue is determined by weighing the filter with the residue and calculating the concentrations by:

$$\text{mg/l} = \frac{(A-B) \times 10000}{C}$$

where:

A = weight of filter and residue in mg;

B = weight of filter in mg; and

C = ml of sample filtered.

The practical range of the determination is 4 mg/l to 20,000 mg/l.